(1) Number of pages 221 Sheets

(2) Date of repair 7-10-87

(3) Initials of the Reference bv

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P-W DEPARTMENT

G.O. No. / B.P. No.	1219, W 1220	Press. / Mis.
Dated	13-5-1886	19 .

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ again—

G.O., dated 6th April 1886, No. 933 W., Public Works.

Read—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 22nd August 1885, No. 346 E.W.

I have the honor to forward, herewith, for your information, two letters from the Executive Engineer, Nilgiris, regarding excesses expected on the work of erecting a church at Wellington.

2. Under ordinary circumstances I should consider myself justified in sanctioning unavoidable excesses not exceeding in the aggregate 5 per cent. of an estimate, but in the face of paragraph 3 of G.O., No. 1977 W., of 12th August 1884, I think it best to bring to your notice the probability of an excess on the church.

ENCLOSURES.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 1st August 1885, No. 1258.

I have the honor to report, for your information, that I am constantly finding small errors and omissions in the Wellington church estimate which necessitate deviations and additions with consequent excesses over sanctioned sub-heads of estimate.

2. These though too trivial in themselves to be separately reported on as they occur, will necessitate a rather heavy excess over the total sanctioned amount. But at the same time unless I sanctioned them the work must be stopped.

3. I propose shortly sending in a revised estimate, which must, as above stated, considerably exceed the sanctioned one owing to the abovementioned omissions, &c.

4. I request permission to go on with the work pending the submission of the revised estimate, and meantime assure you that nothing but what is absolutely necessary is being done.

From the same officer, dated Ootacamund, 15th August 1885, No. 1397.

In continuation of my No. 1258, of the 1st August 1885, and with reference to your No. 485 N.I., of 4th instant, regarding the excess on the Wellington church, I have the honor to state that the total excess will be within 5 per cent. on the estimate; so I see no reason why the work should be stopped.

2. I have been given to understand that the Right Reverend the Lord Bishop wishes three extra windows to be placed in the chancel, so I have given orders to have arched recesses built there so that windows may be easily inserted in future.

3. Also, the Chief Engineer and the Lord Bishop both say that the chancel windows are placed too high; so I have given orders to place their sills 2 feet lower.

No. 535 E., Public Works.

The Superintending Engineer will submit, with the least possible delay, a revised estimate for the work, on receipt of which the orders of Government on the subject will be taken.

2. At the same time the Superintending Engineer will make such proposals as may be feasible to effect savings on items not yet commenced to compensate for the unavoidable excesses incurred on items already completed.

3. It should also be stated whether either of the proposed alterations mentioned by the Executive Engineer in paragraph 2 of his letter dated 18th August 1885 will increase the cost of the building.

28th August 1885. (Signed) J. SHAW-STEWART, Colonel, R.E., Chief Engineer, P.W.D.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Mangalore, 5th March 1886, No. 71 E.W.

I have the honor to submit, herewith, for sanction, a revised estimate, with one letter from the Executive Engineer, Nilgiris, and fourteen enclosures, of the cost of constructing the Protestant church at Wellington, amounting to Rs. 49,100, showing an excess of Rs. 10,939 over the original sanction of Rs. 38,161.

2. As the original order * enjoined "the exercise of the strictest economy in the execution of the work," the plans and estimate have been most closely adhered to; no work has been allowed, or provided for in the revised estimate, which was not absolutely necessary, and the Consulting Architect, from whose office the original estimate was submitted, has been referred to by the Executive Engineer in every case in which there was any doubt.

* G.O., No. 1977 W., of 12th August 1884.

3. The revised estimate is accompanied by a comparative statement and a report with appendices. These give full particulars of the excess, and show that it has been entirely due to omissions, errors in computation and measurements of the original estimate, and to the insufficiency of some of the rates provided.

4. It will be observed from appendix B attached to the report that the largest excess, Rs. 2,740, is on cutstone work, and this was owing to the omission in the estimate of 427 cubic feet, and to the low rate provided for this class of work. Another heavy item of excess, Rs. 2,377, was on iron and felt for roofing, obtained through the Secretary of State.

5. You are aware that the building has been carried out by contract, on the most favorable rates that could be obtained and which are believed to be very reasonable for that locality, while the work has been thoroughly well done and is very creditable to the contractors, Messrs. Groves and Company of Coonoor.

6. It is now found that the following works, for which no provision whatever was made in the sanctioned estimate, are very necessary:—

I. Fencing and gravelling the church compound.
II. Providing a lightning conductor.
III. Constructing a road of approach.
IV. Providing a bell.

But as the excess on the original estimate is so heavy, I have thought it best these should form the subject of a supplemental estimate, which may be dealt with separately.

7. In accordance with previous orders, nothing has been provided for flooring or interior plaster.

Enclosure.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 12th February 1886, No. 2819.

I have the honor to submit, herewith, the revised estimate for the Protestant church at Wellington.

2. The delay in doing so has occurred on account of the complex nature of the work; and of the many omissions, trifling though intricate, in the original measurements; and in the fact that many of these were taken out very roughly.

3. I regret that the total excess amounts to so large a sum. At one time I thought that this excess would probably not exceed Rs. 3,000, but as the work proceeded and details were more thoroughly gone into, discrepancies kept on cropping up between plan and estimate.

Nothing has been done on the work which was not strictly essential, and even now, under the orders of Government of India, nothing has been provided for flooring or interior plaster.

4. I have annexed a report to the estimate which explains concisely the larger excesses, and which it will be found expedient to read prior to wading through the long array of figures in the comparative statement. The appendices A and B and the remarks thereon embrace all the principal excess and fully explain the causes thereof.

5. In conclusion, I have to state that owing to the restriction on the expenditure having been ordered, I have confined the same strictly to essentials and nothing short of stopping the work in an incomplete state would have prevented the excesses now reported; and which I briefly noticed as being unavoidable in my letter, No. 1258, dated 1st August 1885. The work is now almost complete with the exception of covering the roof with felt and iron and finishing the tower.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Mangalore, 5th March 1886, No. 72 E.W.

As promised in paragraph 6 of my letter, No. 71 E.W., of 5th March 1886, I have the honor to submit, herewith, a supplemental estimate for the following additional works, in connection with the Protestant church at Wellington:—

		Rs.
I.	Fencing and gravelling the compound	1,141
II.	Providing a lightning conductor	300
III.	Constructing a road of approach	1,100
IV.	Providing a bell	330
	Contingencies and supervision	219
	Total ...	3,090

2. The lightning conductor and bell are indispensable, and urgently necessary; the latter because it must be fixed in the tower, now in course of construction, before the top is put upon it, and the former can of course be put up at less cost now than at any later period. I request permission therefore to provide the bell and lightning conductor at once.

Order—dated 6th April 1886, No. 983 W., Public Works.

With his letters above recorded, the Superintending Engineer, IV Circle, submits a revised estimate, amounting to Rs. 49,100, for constructing a Protestant church at Wellington; also a supplemental estimate, amounting to Rs. 3,090, for certain items for which no provision was made in the original estimate, but which are now considered very necessary.

2. With letter, No. 2611 W., dated 15th September 1883, an estimate for the work, amounting to Rs. 49,960, was submitted to the Government of India; but that Government, in their reply, recorded in proceedings, No. 3323 W., dated 22nd November 1883, while admitting the need of a church at the military depôt at Wellington, expressed their inability to sanction so large an expenditure of public funds for the construction of a church to contain 300 sittings. It was intimated that, unless private subscriptions to a considerable amount were forthcoming, the design should be revised so as to effect a material reduction of the cost.

3. A fresh design was then prepared by the Officiating Consulting Architect, the estimate for which amounted to Rs. 38,161. That estimate, although confessedly incomplete in so far that no provision was made for certain essential items, such as flooring, plastering, &c., was believed to be complete and sufficient with respect to all items actually provided for. In sanctioning that estimate, the Government of India, in their letter recorded in proceedings, dated 12th August 1884, No. 1977 W., expressed the opinion that the cost of the church was still very high, and asked that the strictest economy should be enjoined on the officer intrusted with the execution of the work. The Government of India, in the same letter, placed on record that, while the estimate did not provide for the satisfactory completion of the building, no further expenditure of public money would thereafter be sanctioned for completing it. Notwith-

standing those instructions, it is now reported that the church has cost Rs. 10,939 in excess of the estimate. The Superintending Engineer reports that the strictest economy has been observed in the execution of the work, and that the excesses have been unavoidable owing to omissions and errors in the estimate, and to insufficiency of rates.

4. His Excellency the Governor in Council cannot but regard the history of this church as most unsatisfactory. While willing to make due allowance for the difficulties to be met in constructing a building of this description on the Hills, the Government observe that insufficient attention seems to have been paid to paragraphs 1112 and 1114 of the Public Works Code.* The original estimate does not appear to have been framed with sufficient care; but it should have been carefully scrutinised, and the omissions and inadequacy of rates should have been discovered and reported before the work was begun. Or, if this were not possible, they should have been discovered at a very early stage in the progress of the work, which should at once have been stopped by the Superintending Engineer pending the orders of the Government. It was not until the 22nd August 1885, that the Superintending Engineer, in his letter No. 346, reported that large excesses were expected, and in Public Works Department memorandum, No. 535 E., dated 28th August 1885, he was directed to submit, *with the least possible delay*, a revised estimate. He was at the same time requested to submit such proposals as might be feasible to effect savings on items not commenced, and to report whether certain alterations made at the request of the Right Reverend the Bishop would increase the cost of the building. The revised estimate was submitted only on 5th March, or more than six months after the date of the memorandum, and no reply has been given to paragraphs 2 and 3 of the memorandum.

* *Vide* also paragraph 1585.

5. In these circumstances, His Excellency in Council, before submitting the revised estimate for the orders of the Government of India, is constrained to call upon the Superintending Engineer, IV Circle, to show cause why he should not be held personally responsible for the excess expenditure which has been incurred.

6. In the face of the remarks recorded by the Government of India, in their letter, No. 693 M.W., dated 4th July 1884, this Government are unable to recommend, for sanction, the supplemental estimate of Rs. 3,090. With respect to items not provided for in the original estimate, of Rs. 38,161, such as flooring, plastering, fences, &c., it is clear that the Government of India intend that the cost shall be met otherwise than from public funds.

7. The Superintending Engineer will reply to paragraph 5 of this order, and resubmit the revised estimate with the least possible delay.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Read—also the following papers:—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 16th April 1886, No. 1090/E.W.

As directed in paragraph 5 of G.O., No. 933 W., of 6th April 1886, I beg respectfully to show cause why I should not be held personally responsible for any excess that may have been incurred on the Wellington church.

2. That building was one of a special kind—architecturally and otherwise different from those the department has ordinarily to construct; but the estimate having been prepared in the Consulting Architect's office, there was no reason at first sight to suppose that, as regards quantities, it was not fairly accurate; and it was not until work had been going on for some months that doubts arose of its sufficiency to meet the cost of the building.

3. The fact that excesses were occurring which could not be met by savings on other items was first brought to my notice by the Executive Engineer, Nilgiris, in his letter, No. 1258, of 1st August 1885. In my reply, No. 485, of 4th idem,* I stated that I could sanction no excesses on the Wellington church, and therefore considered that the only safe course was to stop further progress, pending the submission of a revised estimate, which should be expedited as much as possible.

* Copy herewith.

4. In his letter, No. 1397, of 18th August, the Executive Engineer distinctly stated that "the total excess would be within 5 per cent.," he never subsequently reported that the excess would exceed 5 per cent., and he never obtained sanction to any excess. I was perfectly astounded when I received the revised estimate, and found that the excess would be about 28 per cent.

5. Your memorandum, No. 535 E., of 28th August 1885, reached Coimbatore on 2nd September 1885, five days after I had quitted the Circle on privilege leave. The officer who acted for me failed to submit the revised estimate, or to reply to paragraphs 2 and 3 of your memorandum; but, nevertheless, on my return from leave at end of November, that memorandum was most unfortunately lost sight of.† In fact, it was not until the receipt of the Government order I am now replying to, that my attention was drawn to it, and I then perused it for the first time.

† Probably because it was *not* marked urgent.

6. According to paragraph 2306 of the Public Works Code, the Executive Engineer is held primarily responsible for affording information in cases of excess. He is bound to report to the Superintending Engineer the fact of the cost of a work being likely to be exceeded, and to *ask for orders*.

7. Your memorandum was communicated to the Executive Engineer immediately on its receipt, and he therein got the *orders* he wanted. He should have seen from that memorandum that he was not at liberty to exceed the sanctioned estimate even to the extent of 5 per cent.; and that the submission of a revised estimate, so arranged as to fall within the amount of the original sanction, was most urgent.

8. The information for framing that revised estimate must have been in the hands of the Executive Engineer, as the work had been more than six months in hand; he had received orders showing the urgent necessity for submitting it; and he was not left without reminders from my office and myself. If any help had been needed for hastening the submission of so urgent an estimate, it would have been supplied him at once; but no such help was ever applied for.

9. I am strongly of opinion that it was the duty of the Executive Engineer on receipt of your memorandum, No. 535 E., of 28th August, to stop all work pending sanction of the revised estimate. In fact, I do not see how else it was possible to comply with your wishes, and at least attempt to prevent excess. It is very doubtful if much of the excess could have been prevented even then; but, by complete stoppage and careful revision, something might have been done.

10. When I returned from leave at end of November, although, as stated above, your memorandum most unfortunately escaped my notice,‡ I was most anxious to prevent the possibility of an excess on the church; and did not fail to remind the Executive Engineer to submit the revised estimate without further delay. It was not, however, received until the middle of February.

‡ Probably because it was not marked urgent.

11. If it be asked why I did not stop the work in December, it must first be remembered that the time to effect any saving was past. The whole building except the turret had been carried up to full height, nearly all the roofing woodwork was up, and all the materials prepared. Besides this, I had no reason to anticipate any considerable excess; the Executive Engineer had asked for no orders, and had made no further report. Moreover, I had not seen your memorandum.

12. I find that the outlay on the church to end of March came up to the amount of the sanctioned estimate; and that liabilities have been incurred in excess of the original sanction. This was utterly beyond my power to prevent; it was done without my knowledge or sanction, and is in contravention of the well known code rule that no expenditure is to be incurred on any public building without adequate sanction: I relied on the Executive Engineer, as an officer of long service and great experience, taking precautions that at least the work should be brought to a standstill within the existing grant. The idea of his incurring liabilities without any sanction, I was utterly unprepared for.

13. I trust I have shown clearly that short of actually stopping the work, I did all in my power to prevent the very unsatisfactory state of things which has occurred, and which I greatly regret. That stoppage I advised when writing to the Executive Engineer on 4th August, and would certainly have ordered on my return from leave if the Executive Engineer had reported the probability of a considerable excess, or if your memorandum had come to my notice.

14. My defence, then, is simply this. The Executive Engineer was an officer of long service and great experience, well acquainted with the rules of the code, while he had before him the special instructions conveyed in G.O., No. 1977 W., of 12th August 1884, my No. 485, of 4th August 1885, and your memorandum, No. 535 E., of 28th August 1885.

The orders forbade him to incur any excess over the sanctioned estimate, while the code forbade him to incur liabilities without due sanction.

I had no reason to expect that he would ignore rules and orders, and while pushing on the work, delay the submission of the revised estimate, so that it came too late to be of any use in stopping excess.

I do not doubt, however, that the Executive Engineer has what he considers a satisfactory explanation of all this; and I hope he may be able to satisfy you that he was justified in acting as he did.

15. I sincerely regret that the false position in which I am placed compels me thus, in self-defence, to report the apparent shortcomings of an excellent officer; but I see no alternative when I am called on to explain how I failed to check the irregularities that have occurred, and for which I feel that I am not personally responsible.

16. I beg most respectfully to state that I cannot see I am in any way to blame for what has happened. I failed in August last, when alone the mischief of an excess might * to some extent have been averted, to foresee and take precautions against an officer of the Executive Engineer's standing and experience acting in what appears to me the very extraordinary manner he has done; but I am confident that any other Superintending Engineer in the presidency would have done the same. As to an Executive Engineer incurring liabilities without an allotment, that is a contingency that no Superintending Engineer can possibly guard against. An Executive Engineer does it on his own responsibility and at his own risk.

* See paragraph 17.

17. The work of the church has been stopped, and I have called on the Executive Engineer for a statement of liabilities incurred. I have also furnished him with a copy of G.O., No. 933 W., of 6th instant, as there is much in it that he can explain much better than I could owing to his thorough knowledge of the work and its history. I shall also send him a copy of this letter in order that he may reply † to my remarks on his action in the matter.

† See reply herewith sent.

18. With regard to paragraphs 2 and 3 of your memorandum, No. 535 E., of 28th August 1885, which I regret should, under the circumstances above explained, not have been attended to sooner, I have to state—

(1) That some reduction of outlay might have been effected in August last by stopping the construction of the porch, organ-chamber, vestry, and robing rooms and the bell-turret; continuing only the construction of the four walls of the building and its roof,

(2) The proposed alterations, mentioned in paragraph 2 of the Executive Engineer's letter of the 18th August 1885 did not increase the cost of the building.

19. I would again specially point out, as I have already done in my letter of 5th ultimo, No. 71, that, in carrying out the work, the sanctioned plan and specification have been most closely adhered to, and no work done that was not absolutely necessary. There has been no waste of public money in unsanctioned deviations; and the rates paid were those tendered by the contractor and accepted before the work began. Moreover, if the probability of an excess had been discovered before the contract was entered into with Messrs. Groves and Company, the only suggestion I could have made to cheapen the work would have been the substitution of brick in chunam, plastered in cement wherever practicable, for cutstone; clumsy brick pillars for neatly-dressed stone ones, &c. Such alterations, however, must have seriously injure the appearance of the building, and I doubt if you could have recommended their adoption.

20. Having again gone carefully through the revised estimate with a view to its reduction, I have struck out Rs. 690 under "scaffolding," and Rs. 600 under "supervision and sundries." This latter change leaves only Rs. 100 to cover clearing and levelling the site and supervision and watching until the building is handed over to the Ecclesiastical establishment. The total cost will thus be reduced from Rs. 49,100 to Rs. 47,810; and the excess will now be Rs. 9,649, or a little over 25 per cent.

21. I have now only to remark on the passages in the letters of the Executive Engineer, Nilgiris, herewith sent, Nos. 155 and 156 of 15th instant, which I have underlined. That officer has expressed doubts as to his power, legally, to stop the contractor, except for bad work, delay, or refusing to conform to his instructions; but I have always been of opinion that the "conditions of a schedule contract" provided for this.

Paragraph 6 states "that the contractor is bound to adopt any alteration of the original design which the Executive Engineer may direct in writing." Such alteration may of course amount to a complete stoppage of all further operations.

The contractor would, of course, in such a case have to be paid up in full for all work and materials delivered; the guarantee fund would have to be made over to him; and it would, I suppose, be optional, with him to continue work after the stoppage or not, as he might find convenient.

Government would no doubt incur some loss, but that would be unavoidable.

22. I return herewith the revised estimate and plans, together with the letters of the Executive Engineer, Nilgiris, Nos. 155 and 156, of 15th instant.

ENCLOSURES.

No. 485 M.

MEMORANDUM.

The undersigned has the honor to state that, bearing in mind the strict orders regarding economy given in G.O., No. 1977 W., of 12th August 1884, and in the orders of the Government of India printed with it, the undersigned can sanction no excesses on the Wellington church; and therefore considers that the only safe course is to stop further progress pending the submission of a revised estimate, which should be expedited as much as possible.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

COIMBATORE
4th August 1885.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 15th April 1886, No. 155.

With reference to your endorsement, No. 105 C/N.I., of 12th April 1886, on G.O., No. 933 W., of 6th April 1886, regarding the excess on Wellington church, I have the honor to make the following remarks according to your request.

1. In the first place I respectfully submit that it was no business of mine to scrutinise an estimate which was sent to me for execution duly sanctioned by Government, especially as this

estimate had been prepared by the Consulting Architect, an officer much more competent than I to deal with such complicated buildings as this church, and I should have considered it great presumption on my part not to have taken for granted the accuracy of an estimate put before me in this way; of course these remarks refer solely to the quantities. As to the rates, whether or no, those of the sanctioned estimate were correct, does not, I respectfully submit, seem to me to be the question. The rates at which the work was carried out were strictly in accordance with those tendered by the contractors and sanctioned by the Chief Engineer. Moreover, I have to point out that the excesses from higher rates are a mere trifle as compared with those arising from erroneous calculations and measurements in the estimate.

* Only Rs. 100.

2. Thus assuming, as I believe I was perfectly justified in doing, that the estimate was correct, I quite saw my way to carrying out the work within the sanctioned amount. I may here remark before quitting this part of the subject that I was ordered to charge Rs. 400 against "contingencies," being the amount of an honorarium paid to one Mr. Ross Lee, as I imagined, checking the plan and scrutinizing the estimate in Mr. Chisholm's office; this fact would have set my mind at rest supposing I had entertained the smallest doubt as to the accuracy of the estimate. Of course, I did not suppose there could be no omissions, for it is perfectly impossible to foresee everything in a work of this character, but I considered that any small omissions could be met, as they were discovered, from contingencies.

3. As I had foreseen, omissions began to be discovered as the work progressed, and slight as they were yet by August I found they were likely to mount up, and so I addressed you in my No. 1238, dated 1st August 1885, reporting this fact; to this you replied in your memorandum, No. 485 N.I., dated 4th August 1885, suggesting that work should be stopped, to which I replied in my No. 1397, dated 18th August 1885, stating that the excess would be within 5 per cent. and that "I saw no reason why the work should be stopped."

4. The work was carried on accordingly, and in due course I received endorsement, No. 557 N.I., of 2nd September 1885, on the Chief Engineer's order, No. 535 E., dated 28th August 1885, simply ordering me to get a revised estimate in without delay. I must confess I was to blame for not drawing the particular attention of the then Acting Superintending Engineer to the peculiar circumstance of the case, but it must be remembered I still had no reason to doubt the actual accuracy of the estimate, and I still believed that, as already reported, all excesses would be within 5 per cent.; nothing had cropped up to cause me to alter my opinion. Had *I then* discovered as I afterwards did (as the revised estimate was in course of preparation) the very grave errors in the *quantities*, I might probably have recommended the stoppage of the work. But let me pause here to ask you to consider what our position really was at this date, viz., 10th September 1885. We had signed a contract by which, *so far as I understand such bonds*, the contractors were bound to complete their work by 31st March 1886, and *they could only be prevented from carrying on their work by the discovery of bad or faulty work on their part*; and unless Government were prepared to indemnify the contractors *(who could sue for the full amount of the estimate)* for all losses they would have incurred, they could not have stopped the work.

Again, by this time the outer walls were up and the arches were going on in the nave; nearly all the materials were ready; all the stores or nearly all had been received from England; the contractors had all the doors and windows and nearly all the roof timbers ready and nearly all the cut-stone work; so had the work been now stopped what would have been the use or profit of it to Government. It would have been impossible then to have effected any saving on any item not yet commenced, as materials for all items were more or less ready.

5. Thus, then, even supposing I had discovered the egregious errors of measurement in the estimate, I think I would have been justified in exercising the discretion allowed to Executive Engineers in paragraph 301, Public Works Code, and in recommending that the work should be allowed to go on, for certainly the eventual loss to Government would have been greater had the work been stopped, and we should have had on our hands a lot of material utterly useless for any other purpose and an unfinished building in a very prominent position.

6. When, however, I began to revise the estimate so many alterations were found necessary that I deemed it better to revise the whole and remeasure everything from basement to roof and take out the quantities quite independently of the original estimate. Of course, all this took time and it was not till about middle of November 1885, as far as I can recollect, that I first had cause to see that there were very grave errors in the measurements, the principal one being *cut-stone*, but the total of this item was not made out until the whole estimate was nearly complete, it was then found to stand at 1,210 cubic feet, valued at Rs. 6,655 instead of as estimated, viz., 783 cubic feet, valued at Rs. 3,915, thus showing an excess of Rs. 2,740 on this item alone.

The other items are all specified in the appendix, so I need not repeat them here; and I only mention this one to show how difficult it was to arrive at any conclusion and how impossible it was to discover the total excess until the whole thing had been carefully gone into from basement to roof, a matter of time.

7. About this time, too, I had occasion to fear further excesses from the amounts of the bills received for stores obtained through the Secretary of State, but the last of these (at least I suppose it is the last) only reached me on 29th March 1886, or one and-a-half months *after I had submitted the revised estimate* and the total excess caused by these bills was Rs. 2,300.

8. By the time the main errors were discovered it would have been simple madness to have stopped the work.

9. I much regret the delay in submitting the revised estimate; although an important work, I saw no reason for letting all other work go to the wall on this account, for the time was gone by (if it ever had arrived) for stopping work on the church; so there was no reason for haste on *that score*. Considering the complex nature of the work and that I had other estimates going on, of which notably the Bakery was giving me some trouble, I do not think that five months, the time actually taken, was excessive. The measurements were most intricate and every care was taken that the revised estimate should include every possible item.

10. I also regret that in submitting the revised estimate paragraphs 2 and 3 of Chief Engineer's memorandum No. 535 were not replied to, as they escaped my memory; but as above pointed out, owing to the materials having been nearly all collected and the best part of the design having been completed, it would have been impossible to have effected any savings on items not yet commenced; and as regards the insertion of recesses and lowering the windows in the chancel, the excess caused by these was practically *nil*.

11. The only savings I could effect have been made, viz., substituting brick coping plastered with cement for the stone in sanctioned plan, and white cedar was used for the ceiling instead of teak; but this last had been decided on all along.

12. In Conclusion, I may repeat that, as stated in my No. 2819, of the 12th February 1886, nothing has been done on the work which was not strictly essential, and I think the work done is excellent and reflects great credit on the contractors, who all along have been most helpful to me.

I much regret that so pleasant a piece of work should have given rise to such unpleasantness, and I trust that I may be exonerated from blame as I acted throughout in what I imagined to be the best interests of the Government.

13. The statement of account to date will follow as soon as possible.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 15th April 1886, No. 156.

In reply to your No. A, of 14th instant, to the address of the Chief Engineer, which you have kindly sent to me for perusal and for any explanation I may have to offer, I have the honor to state that in my No. 155 of this day's date I have, I think, nearly exhausted the subject, and have fully explained why, after my first report on the excess, it was inexpedient to stop the work and impossible for me to report further until I had gone fully into the subject.

2. The discovery of the errors in the original estimate, in which I all along put the utmost confidence, was a great blow to me.

3. I confess I was not at liberty to exceed the sanctioned estimate by even only 5 per cent., but I respectfully submit, for your consideration, the fact that by the signing of the contract alone all *the liabilities were incurred*, and *not* by my carrying on the work. Directly the contract was signed *Government had no power to stop the work except at the risk of being sued for the total amount of the estimate as long as the work was satisfactory*. On the other hand, the contractors were bound by their contract to complete the work by the 31st March 1886 as per *specification and plan*; also, directly the contract was signed, Messrs. Groves and Company set to work and purchased all the necessary timber and cut this and the stone required to dimensions; in fact long before the walls were up, the necessary timber was all prepared; what profit would it have been under the above circumstances to have stopped work?

4. But as already pointed out in my No. 155 of this date, I did not anticipate any great excess until now, or very near the time when you yourself state no saving could have been effected; so it was impossible for me to report what I did not know, or even surmise; when the facts *were* known it was too late to stop the work even had it been expedient to do so on legal grounds.

5. I hope you will now see that I have not ignored rules and orders; by the signing of the contract I was rendered helpless and did what I imagined to be best under the circumstances in good faith all through.

6. I sincerely regret that you consider you have been placed in a false position by confiding more or less in me. I was as ignorant as yourself of any large excess until too late to do anything; and even by the time I had discovered the smaller omissions, work could not have been stopped, except at great loss as I have clearly shown in my No. 155 of this date.

7. In conclusion, I venture to hope that my action in this matter may not be deemed unsatisfactory, and that I shall continue to enjoy your confidence; and I regret exceedingly the annoyance you have been put to on this account. My consolation is that you consider the work done is good.

From Messrs. GROVES AND COMPANY, to the Executive Engineer, Nilgiris, dated Coonoor, 15th April 1886.

We have the honor to acknowledge your office letter, No. —, instructing us to stop work at Wellington church. We beg to submit, for the consideration of Government, the following points:—

(1) That the whole of the material is on the ground or in our yard, the only exception being some sheet lead ordered by us specially for this work, which we are daily expecting to receive, and loaded lights for west window ordered from England.

(2) That there is only required on our part an expenditure of some Rs. 500 in labor to complete the whole of our contract. The roofing with white cedar and felt is finished with the exception of the aisles and the greater part of the nave, &c., is roofed with iron.

(3) That part of the roofing, viz., such as is not yet covered with iron, is in such a state that should rain come the cedar planking will be quite spoiled by the water leaking through the felt.

(4) Under these circumstances we consider that the stoppage of the work will entail great loss on both Government and ourselves. We shall be quite willing to wait for the payment of such additional expenditure on labor as we may incur after the present (which as above stated we estimate at Rs. 500) until a decision is come to by Government, but meantime we trust we may be allowed to continue the work.

No. 165.

Submitted to the Superintending Engineer, IV Circle, for orders with reference to his memorandum, No. 103 C/N.I., dated 11th April 1886, stopping the work. As all the ceiling will be spoilt if it rains, the contractors have been authorised to complete the iron roofing.

OOTACAMUND,
15th April 1886. (Signed) A. C. SMITH, Major, R.E.,
Executive Engineer.

No. 110C/E.W.

Forwarded for the information of the Chief Engineer with reference to this office letter, No. 109C/E.W., of 16th instant.

OOTACAMUND,
17th April 1886. (Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Nedivattam, 20th April 1886, No. 118. C/E.W.

With reference to my letter, No. 109 C/E.W., of 16th instant, I have the honor to forward, herewith, a statement showing the total value of work done and materials delivered at the Wellington church up to date.

2. From the remarks in red ink it will be seen that the statement is not thoroughly complete and reliable, but a revised statement will be sent as soon as possible.

3. The contractor has been directed to stop work, even if there should be some loss by doing so.

ORDER—dated 13th May 1886, No. 1219 W., Public Works.

With his letter, No. 71 E.W., dated 6th April 1886, the Superintending Engineer, IV Circle, submitted a revised estimate, amounting to Rs. 49,100, for constructing a Protestant church at the military station of Wellington, exhibiting an excess of Rs. 10,939 over the original estimate of Rs. 38,161 sanctioned in G.O., No. 1977 W., dated 12th August 1884; and in G.O., No. 933 W., dated 6th April 1886, after briefly reciting the history of the project, and the stringent orders of the Government of India relative to the exercise of economy in its execution, the Government called upon the Superintending Engineer to show cause why he should not be held personally responsible for the excess expenditure.

2. In reply, Colonel Beatty, in his letter of 16th April 1886, represents that the excesses were due to causes beyond his control, and that there was no reason at first sight to suppose that the original estimate, which was prepared in the office of the Consulting Architect, was not fairly accurate as to quantities. The fact that excesses were occurring was first brought to his notice in the Executive Engineer's letter of 1st August 1885; and on the Superintending Engineer advising stoppage of the work, the Executive Engineer, in his letter of 18th August 1885, stated that the total excess would be within 5 per cent. of the estimate, and that there was therefore no reason to stop progress.

3. In his letter, No. 346 E.W., dated 22nd August 1885, the Superintending Engineer reported that the estimate would probably be exceeded; and in Public Works Department memorandum, No. 535 E., dated 28th idem, he was directed to submit a revised estimate with the least possible delay. Colonel Beatty states that that memorandum reached his headquarters after he had proceeded on privilege leave, and that on his return at the end of November 1885, although a revised estimate had not been submitted, the memorandum was lost sight of, his attention having been drawn to it only on receipt of G.O., No. 933 W., dated 6th April 1886.

4. The Superintending Engineer states that, after 18th August 1885, the Executive Engineer made no further report that the excess was likely to exceed 5 per cent.; that he relied on the Executive Engineer, as an officer of long service and great experience, to take precautions that the work should be brought to a standstill within the existing grant; and that he was utterly unprepared for liabilities being incurred without sanction.

5. The Executive Engineer reports that it was impossible for him to discover the grave omissions and errors of calculation in the original estimate until the work was far advanced, and until, in fact, the estimate was in course of careful revision; and that by the time the main errors had been discovered, it was too late to stop the work except at great loss to Government.

6. The work has now been stopped at a period when, as stated by the contractors, all materials required to finish it are ready, and an expenditure of only Rs. 500 in labor is needed to complete the contract.

7. After again scrutinising the revised estimate, the Superintending Engineer has reduced the total amount to Rs. 47,810, which gives an excess of Rs. 9,649 over the original estimate.

8. On reviewing this most unsatisfactory case, the Government are of opinion that the information now submitted points to Lieutenant-Colonel Morant, R.E., by whom, as Officiating Consulting Architect, the original estimate was prepared, as being responsible for the serious omissions and errors therein which have now come to light. Lieutenant-Colonel Morant is now absent from India on privilege leave; and, on his return, he will be called upon to explain the extremely unsatisfactory manner in which the original estimate was prepared.

9. With respect to other points—

(1) It seems unaccountable how the Executive Engineer could, at so late a date as 18th August 1885, have asserted confidently that the total excess would be within 5 per cent. on the estimate.

(2) The great delay in submitting the revised estimate, which was called for "*with the least possible delay*" in August 1885, and received in March 1886, is extremely unsatisfactory. In this connection, the Superintending Engineer will report the tenor and dates of the reminders alluded to in paragraph 8 of his letter, No. 109 C/E.W., dated 16th April 1886.

(3) The fact stated by the Superintending Engineer that, until April 1886, he had not seen the memorandum dated in August 1885, calling urgently for the submission of a revised estimate, seems unaccountable, and points to grave mismanagement in his office.

10. With these remarks, the revised estimate of Rs. 47,810 will be forwarded for the sanction of the Government of India.

11. The Superintending Engineer will meanwhile be authorised to complete such work as he may consider necessary to protect the Government from loss.

(Here enter No. 1220 W., dated 13th May 1886.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Consulting Architect to Government.
To Lieut.-Colonel J. L. L. Morant, R.E.
" Examiner, Public Works Accounts.
" Ecclesiastical Department.
" Military "

Encl. 6. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated May, 1886.

Read. *Read.*

G.O., 13th May 1886, No. 1219 W.

MAY.

Protestant Church at Wellington

Orders on revised estimate submitted for the construction of the — showing a considerable excess over the original estimate.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

With advertence to your letter, No. 673 M.W., dated 4th July 1884, I am directed to submit, for the sanction of the Government of India, a revised estimate, amounting to Rs. 47,810, for constructing from Provincial Funds a Protestant church at the military depôt of Wellington; and to state that His Excellency the Governor in Council greatly regrets that the estimate of Rs. 38,161, sanctioned in your letter above quoted, has been largely exceeded.

2. The Superintending Engineer reports that, although in accordance with the instructions of the Government of India the strictest economy has been observed in the execution of the work, the excesses have been unavoidable, owing to incorrect calculations in the original estimate of the amount of work to be done. No work not previously sanctioned has been carried out; for the sum of Rs. 47,810 represents the actual expenditure required to complete the various items included in the original estimate. The officer responsible for the unsatisfactory manner in which the original estimate was prepared is at present absent from India on privilege leave, but on his return he will be called upon to submit such explanation as he can offer.

3. A copy of the proceedings of this Government, No. 1219 W., dated 13th May 1886, which notices the extremely unsatisfactory nature of the history of this project, is forwarded for the information of the Government of India.

I have the honor to be,
Sir,
Your most obedient servant,

Colonel, R.E.,
Secretary to Govt. P.W.D.

FORT ST. GEORGE,
13th May 1886.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated May, 13th.

Read. *Encl.*

G.O., 13th May 1886, No. 1220 W.

MAY.

Protestant Church at Wellington

Revised estimate of Rs. 47,810 for construction of the — forwarded with remarks for sanction of the Government of India.

10

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

Memo. by Chief Engineer, Public Works Department,			dated	9th July	1885,	No. 1174 C.
From the Superintending Engineer,	I Circle,		dated	3rd December	do.	334 G.L.
Do.	do.	I	do.	24th do.	do.	195 V.Z.
Do.	do.	II	do.	30th October	do.	257 G.L.
Do.	do.	III	do.	6th August	do.	988.
Do.	do.	IV	do.	7th September	do.	371 E.W.
Do.	do.	V	do.	20th October	do.	3110.
Do.	do.	VI	do.	19th September	do.	984 T.J.
Do.	do.		dated	1st do.	do.	819.
Do.	Consulting Architect to Govt.,		do.	11th November	do.	1166.
Do.	do.					

ORDER—dated 6th February 1886, No. 324 W., Public Works.

In July 1885 Superintending Engineers and the Consulting Architect were requested to submit a list of all public buildings in their respective Circles which were supposed to be protected by lightning conductors, and to report, with respect to each building, whether the recommendations of the Lightning Rod Conference and the provisions of the Code of Instructions on the subject had been fully met; if not, in what respects the protection was deficient. Superintending Engineers were further asked to name any public buildings within their Circles which they considered should be provided with efficient conductors.

2. Replies have now been received from all the officers addressed, and the lists of buildings submitted show that a large number are at present without protection, whilst others are but imperfectly protected. To remedy these defects in all cases would involve so large an expenditure as to be prohibitive; besides which, many of the buildings named are not of sufficient importance to require protection. The Government therefore desire that attention be first given only to buildings of the nature referred to in paragraph 1174* of the Public Works Code.

* 1174. "Powder magazines and all buildings "which, from their height or exposed situation, "are likely to be struck with lightning, should "be provided with lightning conductors on the "system laid down in the Code of Instruction for "the guidance of Public Works officers in the "erection and testing of lightning conductors."

3. In this view the undermentioned buildings have been selected from the lists, and Superintending Engineers will submit at an early date estimates for providing lightning conductors for such of the buildings mentioned as have not got them, and for altering those already provided, in order to bring them into accordance with the provisions of the Code of Instructions.

I CIRCLE.

* (1) Powder magazine, Sámalkót.
* (2) Hope island light-house.
* (3) Vakalapudi light-house.
(4) Central tower of the Rajahmundry jail.
(5) Chimney at the Dowlaishweram workshops.

*(6) Powder magazine, Vizagapatam.
*(7) Four powder magazines used by 16th Regiment, M.I., Vizagapatam.
*(8) Santapilly light-house.
*(9) Powder magazine, Parlakimedi.
*(10) Powder magazine, Russellkonda.
*(11) Powder magazine, Chatrapur.

II CIRCLE.

(1) Christ church, Nellore.

IV CIRCLE.

*(1) Lawrence Asylum (female branch), Lovedale.
(2) Combined post and telegraph office, Ootacamund.
(3) Government offices and Council Chamber, Ootacamund.
(4) Government House, Ootacamund.
*(5) Powder magazine, Ootacamund.
*(6) Police powder magazine, Coimbatore.
*(7) Powder magazine, Malapuram.
*(8) Powder magazine, Quilon.

V CIRCLE.

*(1) Government House, Guindy.
*(2) Police powder magazine, Manjakuppam.
*(3) Powder magazine, Vellore.

VI CIRCLE.

(1) District court-house, Tanjore.

CONSULTING ARCHITECT'S DIVISION.

*(1) Combined post and telegraph office.
*(2) Senate House.
*(3) Observatory.

NOTE.—Buildings marked with an asterisk are stated to be already provided with lightning conductors either useless or not in accordance with the Code of Instructions.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

11

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated February, 6th.

R.

Read. *Encl.*

G.O., 6th Feb. 1886, No. 324 W.

FEBRUARY.

Lightning Conductors

Orders on letters from Superintending Engineers submitting lists of public buildings protected by — and of those unprotected.

Accompaniment to G.O., No. 1594 W., dated 23rd June 1886.

A.—Statement showing funds applied for and those granted under Provincial.

	Amount applied for						Amount granted.					
	Minor Works.			Repairs.			Minor Works.			Repairs.		
	Civil Buildings.	Communications.	Miscellaneous Public Improvements.	Civil Buildings.	Communications.	Miscellaneous Public Improvements.	Civil Buildings.	Communications.	Miscellaneous Public Improvements.	Civil Buildings.	Communications.	Miscellaneous Public Improvements.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Canjeram	..	..	..	1,000	..	..	..	..	..	1,000	..	..
Ruddiriya	100	..	..	2,000	500	..	..	..	..	2,000	500	..
Vizagapatam	500	..	..	5,000	12,500	..	..	..	..	5,000	12,500	..
Eastern Godavari	850	..	..	5,000	10,000	..	..	..	..	5,000	10,000	..
Central do.	..	..	..	500	..	..	..	..	..	500	..	..
Western do.	300	..	..	800	..	..	..	..	..	800	..	..
Eastern Kistna	..	..	..	3,000	..	..	..	..	..	3,000	..	500
Western do.	315	..	..	400	..	..	..	..	..	400	..	..
Guntúr	500	..	..	5,000	..	..	..	..	..	5,000	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Bezwada Project	..	..	..	2,000	..	..	..	..	..	2,000	..	..
Buckingham Canal	700	500	..	1,500	..	..	..	..	..	1,500	..	..
Bellary	700	..	..	1,000	..	..	..	..	..	1,000	..	..
Cuddapah	250	..	..	..	..	..	..	..	..	..	..	..
Kurnool	..	..	..	17,000	35,500	15,000	..	..	..	17,000	35,500	15,000
C. P. Wet	..	..	..	4,000	..	..	..	..	..	4,000	..	..
Coimbatore	500	..	..	6,000	..	..	..	..	..	6,000	..	..
Wet & Cent.	1,000	600	..	7,000	..	..	..	..	..	7,000	..	..
North Arcot	6,726	2,000	..	2,000	..	..	..	..	..	2,000	..	..
South do.	2,000	2,000	..	5,000	..	..	..	..	..	5,000	..	..
Chingleput	10,000	10,000	..	60,000	18,000	8,000	..	..	..	60,000	18,000	8,000
Presidency	200	200	..	2,500	..	..	..	..	..	2,500	..	..
Tanjore	4,500	4,000	..	4,000	..	..	..	..	..	4,000	..	..
Trichinopoly	200	200	..	1,500	..	..	..	..	..	1,500	..	..
Negapatam	500	500	..	1,000	..	..	..	..	..	1,000	..	..
Madura	350	350	..	1,000	..	..	..	..	..	1,000	..	..
Tinnevelly	2,054	2,000	..	1,000	..	..	..	..	..	1,000	..	..
Architect	..	..	..	20,000	..	..	200	..	..	20,000	..	..
Public Works Store	..	..	..	..	..	..	..	..	..	..	..	..
Leases with the Government	..	..	..	..	..	..	..	..	..	..	..	..
Do. for Archæological Works	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	37,900	..	..	1,49,700	76,500	23,500	200	..	..	1,49,700	76,500	23,500

* Includes provision for the estimates sanctioned in G.O., No. 1846 W., dated 10th August 1885.
† Includes provision of Rs. 2,226 for maintaining the pump and engine at the Guindy Water Works.
‡ Includes provision of Rs. 2,142 for the purchase of machinery for the Government Brickfield at Madras.

12

B.—STATEMENT of requirements on account of Provincial Incomplete Works for 1885-86 and of New Works sanctioned but not yet commenced.

Division.	Item No.	Name of work.	Amount of estimate.	Number and date of sanction.	Past expenditure.	Balance of estimate.	Amount applied for 1886-87.		Amount allotted.		Item No.	Remarks.
							For incomplete works.	For new works.	For incomplete works.	For new works.		
1	2	3	4	5	6	7	8	9	10	11	12	13
		PROVINCIAL.	RS.		RS.	RS.	RS.	RS.	RS.	RS.		
		Minor Works.										
Ganjam	1	Providing accommodation for female prisoners in the district jail at Berhampore.	1,400	G.O., No. 588 W., of 4th March 1884.	..	1,400	..	1,400	..	..	1	No funds are available.
Do.	2	Condemned cells in the district jail at Berhampore.	720	G.O., No. 382 W., of 11th Feb. 1886.	..	720	..	720	..	720	2	From the reserve.
Vizagapatam	3	Alterations to the apothecary's quarters and reconstructing the guard-room for females in the lunatic asylum, Waltair.	1,334	G.O., No. 1552 W., of 3rd July 1885.	..	1,334	..	1,334	..	..	3	No funds are available.
Do.	4	Additions to the deputy tahsildar's office at Bimlipatam.	1,040	G.O., No. 1267 W., of 19th May 1886.	..	1,040	..	1,040	..	1,040	4	From the reserve.
Do.	5	Improvements to the district court at Vizagapatam.	1,861	G.O., No. 1110 W., of 3rd May 1886.	..	1,861	..	1,861	..	1,861	5	Do.
Do.	6	Improvements to the sub-jail attached to the sub-magistrate's office at Vizagapatam.	1,400	G.O., No. 1437 W., of 7th June 1886.	..	1,400	..	1,400	..	1,400	6	Do.
Godavari. West-ern.	7	Constructing a ryots' shed at the sub-magistrate's office, Pentapad.	1,180	G.O., No. 2866 W., of 15th Nov. 1884.	..	1,180	..	1,180	..	..	7	No funds are available.
Bellary	8	Reroofing a portion of the store-shed in the Executive Engineer's yard at Bellary.	1,418	G.O., No. 2159 W., of 15th Sept. 1885.	..	1,418	..	1,418	..	..	8	Do.
Cuddapah	9	Improvements to the record-room of the tahsildar's office at Badvél.	1,144	G.O., No. 338 W., of 13th Feb. 1885.	..	1,144	..	1,144	..	1,144	9	From the reserve.
Kurnool	10	Constructing three condemned cells in the district jail at Kurnool.	1,000	G.O., No. 2008 W., of 15th Dec. 1885.	..	1,000	..	1,000	..	..	10	No funds are available.
Nilgiri	11	Extending Coonoor cemetery ..	950	G.O., No. 1983 W., of 20th Aug. 1885.	380	570	570	..	570	..	11	From the reserve.
Do.	12	Well in the compound of the sub-magistrate's office at Gudalúr.	720	G.O., No. 676 W., of 13th Mar. 1886.	65	655	655	..	655	..	12	Do.
Do.	13	Providing lightning conductors for St. Stephen's church, Ootacamund.	1,550	G.O., No. 1439 W., of 7th June 1886.	..	1,550	..	1,550	..	1,550	13	Do.
Do.	14	Providing lightning conductors to place of arms on Bombay Castle Hill, Ootacamund.	720	Do.	..	720	..	720	..	720	14	Do.
Do.	15	Do. do. to Bombay Castle, Ootacamund.	1,350	Do.	..	1,350	..	1,350	..	1,350	15	Do.
Do.	16	Do. do to Council Chamber, Ootacamund.	720	Do.	..	720	..	720	..	720	16	Do.
Do.	17	Providing lightning conductors to Government offices, Ootacamund.	1,550	Do.	..	1,550	..	1,550	..	1,550	17	Do.
Do.	18	Raising a portion of the 6th mile of Ootacamund-Gudalúr road.	500	....	..	500	..	500	..	500	18	Do.
West Coast	19	Alterations to the tahsildar's office at Mangalore.	595	G.O., No. 1801 W., of 12th Aug. 1886.	..	595	..	595	..	595	19	Do.
Do.	20	Providing glazed shutters and sun shades over the windows of the district munsif's court of Udipi.	270	S. E's., register No. 43 of 1884-85.	..	270	..	270	..	..	20	No funds are available.
Do.	21	Alterations and improvements to the munsif's court at Parpanangadi.	1,534	G.O., No. 1852 W., of 12th Aug. 1885.	..	1,534	..	1,534	..	..	21	Do.
Do.	22	Converting into patients' wards the sweepers' quarters at the lunatic asylum, Calicut.	1,960	G.O., No. 279 W., of 7th Feb. 1885.	..	1,960	..	1,960	..	1,960	22	From the reserve.
Do.	23	Additions and alterations to the district munsif's court at Pynad.	1,520	G.O., No. 929 W., of 8th April 1886.	500	1,020	1,020	..	1,020	..	23	Do.
Do.	24	Surveying for a new munsif's court at Karaikal.	3	S.E's., register, No. 5 of 1885-86.	..	3	..	3	..	..	24	To be met from the lump sum allotment to the division.
Do.	25	Barbed wire fence around the district munsif's court at Puttúr.	480	Do. do. No. 2 of 1886-87.	..	480	..	480	..	..	25	No funds are available.
Coimbatore	26	Putting the overseer's shed at Dhárápuram in good order for use as inspection bungalow.	263	Do. do. No. 16 of 1885-86.	..	263	..	263	..	..	26	Do.
Do.	27	Supplying and fitting iron safes for tahsildar's office at Palladam.	850	G.O., No. 1232 W., of 28th May 1885.	..	850	..	850	..	..	27	Do.
Do.	28	Do. do. at Karúr	840	Do. do. ..	..	840	..	840	..	..	28	Do.
Do.	29	Do. do. at Satyamangalam ..	860	Do. do. ..	..	860	..	860	..	..	29	Do.
Do.	30	Do. do. at Coimbatore ..	422	S.E's., register, No. 68 of 1884-85.	..	426	..	426	..	..	30	Do.
Do.	31	Do. do. at Kollegál ..	445	Do. do. No. 69 of 1884-85.	..	445	..	445	..	..	31	Do.
Do.	32	Do. do. at Bhávání ..	420	Do. do. No. 66 of 1884-85.	..	420	..	420	..	..	32	Do.
Do.	33	Do. do. at Utengiri ..	235	Do. do. No. 1 of 1885-86.	..	235	..	235	..	..	33	Do.
Do.	34	Do. do. at Yercaud ..	208	Do. do. No. 2 of 1885-86.	..	208	..	208	..	..	34	Do.
Do.	35	Constructing a wrought-iron strong-room for the huzur treasury at Salem.	1,650	G.O., No. 1936 W., of 28th July 1884.	..	1,650	..	1,650	..	..	35	Do.
Do.	36	Temporary establishment for survey of road from Salem to Yercaud.	2,210	G.O., No. 1878 W., of 13th Aug. 1885.	496	1,714	1,714	..	1,714	..	36	From the reserve.
North Arcot	37	Improving the Government school-house at Arcot.	1,210	G.O., No. 317 W., of 6th Mar. 1885.	400	810	1,630	..	810	..	37	Funds to the extent of balance of the sanctioned estimate have been provided, pending receipt of a revised estimate.
Do.	38	Constructing quarters for an hospital assistant attached to the central jail at Vellore.	1,400	G.O., No. 1169 W., of 12th May 1886.	..	1,400	..	1,400	..	1,400	38	From the reserve.
Presidency	39	Tiffin-rooms for Hindu students of the Medical College at Madras.	1,560	G.O., No. 1334 W., of 21st May 1884.	..	1,560	..	1,560	..	1,560	39	Do.

B.—Statement of requirements on account of Provincial Incomplete Works for 1885-86, and of New Works sanctioned but not yet commenced—*cont.*

Division.	Item No.	Name of work.	Amount of estimate.	Number and date of sanction.	Past expenditure.	Balance of estimate.	Amount applied for 1886-87		Amount allotted.		Item No.	Remarks.
							For incomplete works.	For new works.	For incomplete works.	For new works.		
1	2	3	4	5	6	7	8	9	10	11	12	13
		PROVINCIAL.	RS.		RS.	RS.	RS.	RS.	RS.	RS.		
		Minor Works—cont.										
Tanjore ..	40	Constructing a masonry wall on the south side of the Cauvery river for the protection of the town of Kumbakónam.	2,330	G.O., No. 2345 W., of 9th Oct. 1885.	2,013	317	325	..	..	..	40	Appropriation not necessary under Code para. 2293, part III.
Tinnevelly ..	41	Additions and alterations to the head-treasury at Kokarakulam.	2,070	G.O., No. 147 W., of 18th Jan. 1886.	..	2,070	..	2,070	..	..	41	No funds are available.
Architect ..	42	Rebuilding a portion of the out-houses attached to the Principal of the College of Engineering at Chepák.	1,395	G.O., No. 1350 W., of 5th May 1886.	..	1,395	..	1,395	..	1,395	42	From the reserve.
		Total, Minor Works ..	..		..	..	5,317	36,841	4,769	19,665		
		Major Works.										
Vizagapatam ..	43	Providing additional accommodation for the head treasury at Vizagapatam.	5,870	G.O., No. 2128 W., of 29th Aug. 1884.	4,372	2,298	2,298	..	2,298	..	43	From the reserve.
Do. ..	44	Additions and alterations to the deputy tahsildar's office at Pálkonda and constructing a second-class police station in the compound.	4,920	G.O., No. 643 W., of 11th Mar. 1886.	..	4,920	..	4,920	..	4,920	44	Do.
Do. ..	45	Road from Potinghi to Korapot ..	2,72,700	G.O., No. 2365 W., of 10th Oct. 1885.	..	2,72,700	..	50,000	..	..	45	Rs. 50,000 already provided in the budget, item No. 62; further grants if necessary can be applied for later in the year.
Do. ..	46	Constructing two bridges on the new Potinghi ghát.	4,96,561	Do. do. ..	4,58,621	37,939	30,939	..	..	..	46	Rs. 15,000 do. do. Item No. 63.
Do. ..	47	Surveying road from Korapot to Central Provinces.	1,500	G.O., No. 227 W., of 8th Feb. 1886.	200	1,300	1,000	..	..	..	47	Rs. 1,300 already provided in the budget, item No. 64. The question of providing additional funds will be considered on receipt of further estimates.
Godávari, Eastern.	48	Sub-magistrate's office at Pithapuram.	8,262	G.O., No. 1928 W., of 20th Aug. 1885.	5,498	2,577	2,500	..	..	..	48	Rs. 2,500 already provided in the budget, item No. 16.
Do. ..	49	Sub-magistrate's office at Téni ..	9,436	Do. ..	4,825	4,611	3,000	..	..	..	49	Rs. 3,000 already provided in the budget, item No. 17.
Do. ..	50	Proposed water-supply and improvements to the existing drainage of the central jail at Rajahmundry.	33,030	G.O., No. 2794 W., of 23rd Nov. 1885.	24,221	8,809	8,800	..	..	..	50	Rs. 5,827 already provided in the budget, item No. 22.
Do. ..	51	Constructing a dispensary at Bhadráchalam.	4,246	G.O., No. 1804 W., of 3rd Aug. 1885.	210	4,036	3,130	..	..	..	51	Rs. 3,130 already provided in the budget, item No. 40.
Do. ..	52	Residence for the Executive Engineer at Dowlaishweram.	12,500	G.O., No. 788 W., of 21st Mar. 1885.	10,547	1,953	1,950	..	..	..	52	Rs. 2,000 already provided in the budget, item No. 43.
Do. ..	53	Additions to the Collector's office at Cocanada.	31,870	G.O., No. 2363 W., of 1st June 1878.	26,135	..	3,995	..	..	..	53	Revised estimate is said to have been submitted through the Collector. The question of funds will be considered on receipt of revised estimate.
Do. ..	54	New court-house at Rajahmundry.	41,244	G.O., No. 664 W., of 12th Mar. 1886.	39,052	2,192	2,192	..	2,192	..	54	From the reserve.
Do. ..	55	Residence for the Superintending Engineer at Dowlaishweram.	17,300	G.O., No. 1911 W., of 6th Aug. 1884.	18,574	..	1,500	..	..	..	55	Revised estimate promised. The question of funds will be considered on receipt of revised estimate.
Godávari, Western.	56	Constructing a first-class tahsildar's office at Tanuku.	21,420	G.O., No. 3563, of 20th Dec. 1875.	12,321	9,099	4,000	..	..	..	56	Rs. 4,000 already provided in the budget, item No. 1.
Do. ..	57	Do. do. at Bhimavaram ..	22,650	Do. ..	15,772	6,878	2,000	..	..	..	57	Rs. 6,268 already provided in the budget, item No. 2.
Bellary ..	58	Deputy Collector's office at Adóni.	7,415	G.O., No. 1159 W., of 8th May 1886.	6,410	1,005	1,100	..	1,100	..	58	From the reserve.
Do. ..	59	Combined office for the Superintending and Executive Engineers' office at Bellary.	18,494	G.O., No. 1129 W., of 6th May 1884.	19,099	..	1,000	..	1,000	..	59	Do. To complete the work.
Do. ..	60	Tahsildar's office at Adóni ..	31,680	G.O., No. 59, of 7th July 1875.	31,546	134	1,200	..	1,200	..	60	Do. Do. do.
Do. ..	61	Do. do. at Harpanahally.	26,715	G.O., No. 3529, of 15th Dec. 1874.	27,209	..	1,000	..	1,000	..	61	Do. Do. do.
Do. ..	62	Do. do. at Pulivendla ..	22,166	G.O., No. 2744 W., of 7th Nov. 1881.	22,603	..	3,000	..	..	..	62	The question of funds will be considered on receipt of revised estimate which is promised.
Kurnool ..	63	Sub-divisional officer's bungalow at Cumbum.	3,000	G.O., No. 1549 W., of 4th June 1883.	3,993	..	560	..	..	..	63	Revised estimate promised. The question of funds can be considered when the estimate is received.
Do. ..	64	Sub-magistrate's office at Owk ..	14,308	G.O., No. 2715 W., of 3rd Nov. 1884.	13,918	390	310	..	..	..	64	Appropriation not necessary under code paragraph 2293, part III.
Do. ..	65	Do. do. at Pyápali.	12,340	G.O., No. 2881 W., of 18th Nov. 1884.	12,261	879	200	..	..	..	65	Do. do. do.
Nilgiri ..	66	Protestant church at Wellington ..	38,161	G.O., No. 1977 W., of 12th Aug. 1884.	38,236	..	9,574	..	..	..	66	Sanction of the Government of India to the revised estimate should be awaited.
Do. ..	67	Purchase of and repairs to the properties at Ootacamund known as Blackwood and West Cottages.	2,663	G.O., No. 841 W., of 26th March 1886.	3,767	896	896	..	896	..	67	From the reserve.
Do. ..	68	Improvements to the Executive Engineer's office at Ootacamund.	2,520	G.O., No. 1590 W., of 16th June 1886.	..	2,520	..	2,520	..	2,520	68	Do.

Statement of requirements on account of Provincial Incomplete Works for 1885-86 and of New Works sanctioned but not yet commenced—*cont.*

	Item No.	Name of work.	Amount of estimate.	Number and date of sanction.	Past expenditure.	Balance of estimate.	Amount applied for 1886-87.		Amount allotted.		Item No.	Remarks.
							For incomplete works.	For new works.	For incomplete works.	For new works.		
	2	3	4	5	6	7	8	9	10	11	12	13
		PROVINCIAL.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
		Major Works—cont.										
Chingleput	.. 69	Improvements to the Bombay Castle property at Ootacamund.	19,945	G.O., No. 1615 W., of 13th July 1885.	3,496	16,449	4,000	..	4,000	..	69	From the reserve.
Do.	.. 70	Extending organ loft, St. Stephen's church, Ootacamund.	2,787	G.O., No. 272 W., of 1st Feb. 1886.	..	2,787	..	2,787	..	..	70	No funds are available.
Do.	.. 71	Exercise yard for European convicts at Ootacamund jail.	5,790	G.O., No. 444 W., of 11th March 1886.	..	5,790	..	5,790	..	5,790	71	From the reserve.
Do.	.. 72	Improving and maintaining the main road from Ootacamund to Gúdalúr.	2,20,000	G.O., No. 1285 W., of 28rd May 1884.	2,02,722	17,278	5,000	..	5,000	..	72	Do.
Do.	.. 74	Boat-house with out-houses on the Coonoor ghát road.	7,010	G.O., No. 1284 W., of 3rd June 1885.	1,380	5,630	130	..	130	..	73	From the reserve. In addition to Rs. 5,510 provided in the budget, item No. 65.
Do.	.. 76	Constructing eight cart-stands on the road from Kullar to Ootacamund.	8,100	G.O., No. 58 W., of 7th Jan. 1886.	..	8,100	..	8,100	..	..	74	No funds are available.
Do.	.. 76	Re-constructing the wooden platform bridge at Barliyar on the Coonoor ghát.	4,940	G.O., No. 1418 W., of 4th June 1886.	..	4,940	..	4,940	..	4,940	75	From the reserve.
Do.	.. 77	Hamar drainage scheme, Ootacamund.	2,07,247	G.O., No. 1497 W., of 16th June 1884.	2,02,101	5,146	5,146	..	5,146	..	76	From the reserve.
Do.	.. 78	Water-supply, Lawrence Asylum, Ootacamund.	..	....	..	..	..	7,000	..	..	77	Estimate is awaited. The work should be classed as Military [sic], (G.O., No. 2270 W., dated 25th September 1884)
West Coast	.. 79	Fencing Ootacamund lake with barbed wire fence.	7,000	....	..	..	..	7,350	..	..	78	Rs. 7,000 have already been provided, *vide* G.O., No. 1423 W., dated 7th June 1886.
Coimbatore	.. 80	Re-constructing the roof of the Government church at Cochin.	..	....	1,667	..	16,733	..	..	..	79	Provision of funds will be considered when the estimate now under revision by the superintending Engineer is submitted for sanction.
Do.	.. 81	Constructing a close prison at Coimbatore.	21,935	G.O., No. 3270 W., of 16th Nov. 1883.	10,183	11,752	11,733	..	11,733	..	80	From the reserve.
		Constructing a new room for the Bhimr treasury at Salem.	2,870	G.O., No. 410 W., of 22nd Feb. 1886.	..	2,870	..	2,870	..	2,870	81	Do.
Coimbatore	.. 82	Improvements to the central jail at Coimbatore.	5,745	G.O., No. 1071 W., of 28th April 1886.	..	5,745	..	5,745	..	5,745	82	From the reserve.
South Arcot	.. 83	Constructing an embankment for the Gadilam river to protect the town of Tirupapuliyur from floods.	8,550	G.O., No. 361 W., of 10th Feb. 1886.	2,013	6,537	6,537	..	6,537	..	83	Do.
North Arcot	.. 84	Improvements and alterations to sub-magistrate's office at Punganúr.	4,480	G.O., No. 1306 W., of 25th May 1885.	..	4,480	..	4,480	..	4,480	84	Do.
Chingleput	.. 85	Constructing an upper story to the Agricultural College at Saidápet.	18,370	G.O., No. 795 W., of 31st March 1885.	..	18,370	..	18,391	..	18,391	85	Do.
Presidency	.. 86	Constructing twelve solitary cells in the Madras Penitentiary.	5,750	G.O., No. 525 W., of 7th March 1885.	1,863	3,887	3,887	..	..	..	86	Rs. 5,750 already provided in the budget, item No. 26.
Tanjore	.. 87	Constructing a district jail at Tanjore.	2,11,100	G.O., No. 3059 W., of 20th Nov. 1882.	1,98,588	12,512	8,000	..	8,000	..	87	From the reserve.
Madura	.. 88	Restoration of Tirumal Naick's palace and adaptation for public offices.	3,31,425	G.O., No. 697 W., of 16th March 1886.	2,82,836	48,589	18,588	..	..	..	88	A sum of Rs. 30,000 has been provided in the budget, item No. 44. The question of additional funds will be considered later in the year.
Do.	.. 89	Constructing a deputy tahsildar's office at Nellakotah.	11,828	G.O., No. 516 W., of 1st Feb. 1878	11,798	30	30	..	..	..	89	Appropriation not necessary under code paragraph 2293, part III.
Do.	.. 90	Improvements to the district jail at Madura.	2,820	G.O., No. 3021 W., of 16th Dec. 1885.	..	2,820	..	2,820	..	..	90	No funds available.
Tinnevelly	.. 91	Improving the district court-house at Kokarakulam.	17,875	G.O., No. 506 W., of 6th March 1885.	1,944	15,931	15,931	..	..	..	91	Attention is drawn to Chief Engineer's Memorandum No. 1071-C., dated 16th March 1886. Funds required for essential improvements should be applied for separately.
Do.	.. 92	Constructing a compound wall to the subsidiary jail at Sankaranainárkoil.	4,312	G.O., No. 1418 W., of 17th June 1885.	3,415	897	897	..	897	..	92	From the reserve.
Architect	.. 93	Additions and alterations to the Presidency College at Chepák, Madras.	2,946	G.O., No. 2041 W., of 2nd Sept. 1885.	2,408	538	538	..	538	..	93	Do.
Do.	.. 94	Constructing an ophthalmic hospital at Madras.	1,04,954	G.O., No. 3051 W., of 18th Dec. 1885.	1,00,502	4,452	358	..	..	..	94	Appropriation not necessary under code paragraph 2293, part III.
Do.	.. 95	Improvements to family quarters attached to the Civil Engineering College at Chepák.	3,872	G.O., No. 611 W., of 14th March 1885.	3,449	423	423	..	..	..	95	Do. do.
Do.	.. 96	Constructing a latrine for the Senate House at Chepák.	6,800	G.O., No. 463 W., of 23rd Feb. 1886.	550	6,250	2,750	..	2,750	..	96	From the reserve; moiety to be met by Government.
Do.	.. 97	Alterations to the roof of the north and south ends of the Public Works offices at Chepák.	5,035	G.O., No. 2675 W., of 11th Dec. 1885.	2,081	2,954	2,954	..	2,954	..	97	From the reserve.
Do.	.. 98	Improvements to the south beach promenade.	1,04,618	G.O., No. 640 W., of 16th March 1886.	1,02,826	1,795	1,795	..	1,795	..	98	Do.
Do.	.. 99	Planting the foreshores of the beach from Public Works offices to the Hindu burial ground.	4,768	G.O., No. 294 W., of 2nd Feb. 1886.	1,994	2,774	2,774	..	2,774	..	99	Do.
		Total ..	..		..	..	1,91,928	1,25,563	61,859	49,656		

B.—*Statement of requirements on account of Provincial Incomplete Works for 1885-86 and of New Works sanctioned but not yet commenced—cont.*

Division.	Item No.	Name of Work.	Amount of estimate.	Number and date of sanction.	Past expenditure.	Balance of estimate.	Amount Applied for 1886-87		Amount allotted		Item No.	Remarks.
							For incomplete works.	For new works	For incomplete works.	For new works.		
2	2	3	4	5	6	7	8	9	10	11	12	13
		PROVINCIAL.			no.	rs.	rs.	rs.	rs.			
		Registration.	rs.									
Vizagapatam ..	100	Converting into a sub-registrar's office the building known as canteen in the fort at Vizagapatam.	897	G.O., No. 805 W., of 31st March 1885.	..	897	..	897	..	..	100	No funds are available.
Do. ..	101	Constructing a sub-registrar's office at Elamanchili.	2,400	G.O., No. 687 W., of 15th March 1886.	..	2,400	..	2,400	..	..	101	Do. do.
Godávari, Eastern.	102	Constructing a registrar's office at Cocanada.	4,700	G.O., No. 359 W., of 1st Feb. 1883.	3,904	796	925	..	925	..	102	From the reserve.
Do. Central.	103	Constructing a sub-registrar's office at Ellore.	2,750	G.O., No. 2980 W., of 22nd Oct. 1883.	425	2,325	2,325	..	..	..	103	Rs. 2,225 given in the budget, item No. 15.
Bellary ..	104	Constructing a sub-registrar's office at Adoni.	2,642	G.O., No. 2757 W., of 2nd Oct. 1883.	2,720	..	100	..	..	..	104	Appropriation not necessary under code paragraph 2292, part III.
Do. ..	105	Do. do. at Kampli ..	2,600	G.O., No. 24 W., of 8th January 1884.	2,372	228	228	..	..	..	105	Do. do.
Cuddapah ..	106	Do. do. at Proddutur ..	2,240	G.O., No. 1467 W., of 28th May 1883.	1,004	1,236	1,236	..	1,236	..	106	From the reserve.
West Coast ..	107	Do. do. at Kudavayur.	2,940	G.O., No. 625 W., of 26th Feb. 1886.	..	2,940	..	2,940	..	..	107	No funds are available.
Do. ..	108	Do. do. at Mannárghat.	2,460	G.O., No. 435 W., of 9th Feb. 1883.	70	2,390	2,390	..	2,390	..	108	From the reserve.
Do. ..	109	Providing additional accommodation for the sub-registrar's office at Vaniyambadi-gudy.	1,350	G.O., No. 2926 W., of 26th Nov. 1884.	..	1,350	..	1,350	..	..	109	No funds are available.
Do. ..	110	Purchase of Local fund school at Tallapamba and converting it into a sub-registrar's office.	3,040	G.O., No. 1256 W., of 15th May 1886.	2,667	373	373	..	..	..	110	Appropriation not necessary under code paragraph 2292, Part III.
Tanjore ..	111	Converting a portion of the old tahsildar's office at Tiruvádi into a sub-registrar's office.	1,220	G.O., No. 893 W., of 16th April 1885.	800	420	420	..	..	..	111	Rs. 420 withdrawn from the grant of Rs. 850 provided in the budget, item No. 18.
Kistna ..	112	Constructing a sub-registrar's office at Tirubuli.	2,125	G.O., No. 280 W., of 25th January 1883.	2,182	..	16	..	..	..	112	Appropriation not necessary under code paragraph 2292, part III.
	113	Do. do. at Rathapuram ..	2,330	G.O., No. 413 W., of 20th February 1886.	..	2,330	..	2,330	..	..	113	No funds are available.
		Total registration ..	..		..	..	6,123	9,917	4,551	..		
		Police.										
Rushikulya ..	114	Additions and alterations to the office of the Superintendent of Police at Chatrapur.	4,600	G.O., No. 1700 W., of 9th July 1884.	..	4,600	..	4,600	..	..	114	No funds are available.
Vizagapatam ..	115	Constructing a bungalow with out-houses for the Assistant Superintendent of Police at Jeypore.	15,350	G.O., No. 1475 W., of 11th June 1886.	14,496	854	854	..	854	..	115	From the reserve.
Do. ..	116	Constructing a police station house at Korapet.	3,895	G.O., No. 2273 W., of 20th Sept. 1886.	58	3,837	3,837	..	3,837	..	116	Do.
Do. ..	117	Constructing a second-class police station house at Kumaradu.	1,520	G.O., No. 2329 W., of 20th August 1883.	116	1,404	1,404	..	1,404	..	117	Do.
Godávari, Eastern.	118	Do. do. at Bhadráchalam ..	1,826	G.O., No. 2981 W., of 4th Dec. 1884.	989	837	837	..	837	..	118	Do.
Nilgiri ..	119	Converting the police inspector's house at Gúdalúr into eight police huts.	2,190	G.O., No. 510 W. of 6th March 1885.	1,350	840	840	..	840	..	119	Do.
West Coast ..	120	Constructing a police station house at Uppinángadi.	2,775	G.O., No. 18 W. of 7th January 1884.	..	2,775	..	2,775	..	..	120	No funds are available.
Do. ..	121	Constructing a third-class police station house at Iritti.	1,240	G.O., No. 1373 W. of 28th Sept. 1884.	..	1,340	..	1,340	..	..	121	Do.
Tanjore ..	122	Constructing an additional shed for the police station at Máyavaram.	1,130	G.O., No. 54 W. of 8th January 1885.	209	921	921	..	921	..	122	From the reserve.
Madura ..	123	Constructing a third-class police station at Iyalúr.	1,145	G.O., No. 655 W. of 2nd March 1886.	..	1,145	..	1,145	..	1,145	123	Do.
Do. ..	124	Constructing a police station and huts at Sáptúr.	4,850	G.O., No. 438 W. of 22nd Feb. 1886.	..	4,850	..	4,850	..	4,850	124	Do.
Ramnad ..	125	Converting the police hospital at Ramnad into a residence for the Assistant Superintendent of police.	3,950	G.O., No. 2761 W. of 3rd Nov. 1884.	1,101	2,849	999	..	899	..	125	From the reserve. In addition to Rs. 1,950 provided in the budget, item No. 23.
Tinnevelly ..	126	Constructing four police huts at Virudupatti.	1,340	G.O., No. 2254 W. 28th Sept. 1885.	..	1,340	..	1,340	..	..	126	No. funds are available.
		Total ..	..		..	..	9,592	15,940	9,802	5,995	..	

17

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General. Account.

Read—the following papers :—

From the Superintending Engineer,			I Circle,	dated	3rd June	1886,	No.	490 G.D.
"	"	"	II	"	21st May	"		(one statement).
"	"	"	III	"	8th	"	"	(five statements)
"	"	"	III	"	17th	"	"	No. 567.
"	"	"	IV	"	11th	"	"	142 E.W.
"	"	"	V	"	11th	"	"	565.
"	"	"	V	"	11th	"	"	566.
"	"	"	V	"	11th	"	"	567.
"	"	"	V	"	11th	"	"	569.
"	"	"	V	"	11th	"	"	570.
"	"	"	V	"	11th	"	"	227 M.D.
"	"	"	VI	"	12th	"	"	196.
" Consulting Architect to Government,				"	12th	"	"	494. Mis.
Proceedings of Government, Financial Dept.,				"	7th June	"	"	

Order—dated 23rd June 1886, No. 1594 W., Public Works.

With the papers read above, the Superintending Engineers and the Consulting Architect submit statements exhibiting demands under Provincial Minor and Incomplete Works, Repairs and Tools and Plant.

2. The demands under Repairs and Tools and Plant, and the allotments sanctioned against them, are shown in statement A. The demands under Communications and Miscellaneous Public Improvements being in excess of the budget provision under those heads, a sum of Rs. 25,080 has been transferred from the budget provision under Civil Buildings, viz., Rs. 13,080, to the grant under Communications, and Rs. 12,000 to that under Miscellaneous Public Improvements. The provision under these heads will now stand as below :—

	Rs.
Civil Buildings	1,49,700
Communications	76,500
Miscellaneous Public Improvements	23,500
Total ...	2,49,700

and the demands under Tools and Plant have been so reduced as to bring the total sum within the budget provision, Rs. 50,670.

3. The budget provision under Repairs amounts to Rs. 2,91,055 and the difference between that sum and the allotment now made is Rs. 41,355, which has been resumed and added to the Provincial reserve.

					Rs.
* G.O. No. 1224-A W.,	dated	14th May	1886	..	17,000
,, ,, 1423 W.	,,	7th June	,,	..	7,200
,, ,, 1565 W.	,,	21st ,,	,,	..	3,056
,, ,, 1631 W.	,,	17th ,,	,,	..	379
			Total	..	27,635

4. The provision in the budget under reserve was Rs. 1,77,174, but subsequent appropriations* have reduced the sum to Rs. 1,49,515. The total sum now available for distribution for incomplete and minor original works will amount to Rs. 1,91,306, as detailed below :—

	Rs.
Reserve balance	1,49,515
Transferred from repairs	41,355
Surrender from budget grant (*vide* remark against item No. 111) ...	436
Total ...	1,91,306

5. Under Original Works the demands amount to—

	Rs.	Rs.
Incomplete minor	5,317	
Do. major	1,91,928	
Do. registration	8,123	
Do. police	9,592	
Total incomplete works		2,14,960
New minor works	36,841	
Do. major do.	1,25,568	
Do. registration works	9,917	
Do. police works	15,950	
Total new works	1,88,271	
Lump sum of minor works	38,160	
Total demand		4,41,391

but the demands made by the Superintending Engineer, I Circle, include many works for which funds have already been provided in the budget. The total of such demands amounts to Rs. 1,04,705. Provision is also made in the budget for completing "the 12 solitary cells in the Madras penitentiary," for which the Superintending Engineer, V Circle, has included a demand of Rs. 3,887. And the demands of the Superintending Engineer, IV Circle, include provision for "fencing Ootacamund lake with barbed wired," for which funds have already been sanctioned (*vide* G.O., No. 1429 W., dated 7th June 1886). Deducting the amounts referred to above, the actual demands will amount to Rs. 3,25,599.

6. The allotments sanctioned under Original Works are shown below :—

	Rs.	Rs.
Incomplete minor	4,769	
Do. major	61,859	
Do. registration works	4,551	
Do. police works	9,592	
Total incomplete works		80,771
New minor works	19,865	
Do. major do.	49,656	
Do. registration works	...	
Do. police	5,995	
Total new works		75,516
Lump sum allotment for minor works as per statement A ...		32,365
Total allotment		1,88,652

7. The demands made for grants in addition to allotments already provided in the budget have not been complied with for want of funds at present. In such cases application for additional funds, if necessary, should be made later in the year.

8. In the case of new works grants have been provided for those works only the urgency of which has already been brought to the notice of the Government and for which provision of funds was promised to be considered in disposing of the demands on account of incomplete works.

9. Funds have been provided for the completion of all the incomplete works brought forward by Superintending Engineers, excepting in cases in which revised estimates are required.

10. The Superintending Engineer, IV Circle, applies for a sum of Rs. 11,752 for completing "the close cellular prison at Coimbatore." This work should have been included in the Superintending Engineer's budget estimates, and it is with inconvenience that provision has been made for this large demand from the small reserve intended for such of the incomplete works as were expected to be completed in 1885-86, but were not completed owing to unforeseen causes.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Financial Department.
,, Judicial ,,
,, Educational ,,
,, Public ,,
,, Ecclesiastical ,,
,, Revenue ,,

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated June, 23rd.

Read.

Enc

G.O., 23rd June 1886, No. 1594 W

JUNE.

Provincial Funds

Orders on statements of demands on — in 1886-87, for incomplete and minor works repairs, and tools and plant, &c.

29TH NOVEMBER 1882, No. 1722, FINANCIAL.

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

READ—the following paper —

Proceedings of the Government of India, Department of Finance and Commerce, (Pay and Allowances—Acting Allowances), dated Simla, 7th November 1882, No. 4711.

Read—again—

Financial Resolution, No. 1595, dated 9th June 1882, declaring that all Municipalities and Funds administered under a Local Government, including Port Trust Funds and Works' Estates, are entitled to the gratuitous use and services of officers of the Public Works Department, and of all Government Medical, Sanitary and Educational Officers, when their use can be given without detriment to the public service, and withdrawing the provisions of the rules contained in Financial Resolution, No. 2015, dated 21st August 1875, under which Local Governments were authorized to sanction the grant of such allowances, which are not authorized by any general or special order of the Government of India.

Read—also—

Letter from the Government of the Punjab, No. 2092, dated 9th September 1882, regarding the employment by the District Committee of Gurdaspur of a Sub-Inspector to look into certain matters connected with cattle disease in that district, and the payment to him from district funds of an extra allowance of Rs. 5 a month for the performance of the duties so entrusted to him.

Letter from the Government of the Punjab, No. 2438, dated 5th September 1882, regarding whether the adjustment, as between Provincial and Local or Municipal funds, of the charge on account of the pay and allowances of establishments employed, partly on Provincial and for Municipal and similar services, is affected by the orders contained in the Resolution, dated 9th June 1882, and also whether, as the Punjab has not the power of sanctioning extra allowances ordered on Local distinctions to a Tahsildar entrusted with the management of the Estate.

Proceedings of the Government of Madras in the Revenue Department, No. 2197, dated 5th September 1882, regarding the grant from the funds of an estate under the Court of Wards of an allowance of Rs. 15 a month to a Tahsildar entrusted with the management of the Estate.

Resolution—

In modification of the orders contained in the last paragraph of the Resolution of the 9th June 1882, read in the preamble, the Governor-General in Council is pleased to rule that a Local Government may sanction any increase to an officer's pay from Local, Municipal, or other Funds administered by it, provided—

(i) that the officer's pay is a Provincial charge, and

(ii) that his total emoluments after the increase do not exceed Rs. 250 a-month.

His Excellency in Council is also pleased to declare that the orders contained in the Resolution above quoted are not intended to affect allowances already granted by Local Governments in exercise of the authority conferred by the Resolution of the 21st of August 1878, or to affect the question of the division between general, provincial and local or other funds of the charge for establishments employed partly on duties sanctioned by competent authority.

Order—

Ordered, that this Resolution be communicated to the several Departments of the Government of India, to the Local Governments, the Comptroller-General, and the several Accountants-General and Comptrollers.

(Signed) R. E. HAMILTON,
Offg. Asst. Secy. to the Govt. of India.

ORDER—dated 20th November 1882, No. 1732, Financial.

Communicated to the Surgeon-General with the Government, the Director of Public Instruction, the Sanitary Commissioner, the Public Works Department, the Revenue Department, the Board of Revenue, the Master Attendant, and all Presidents of Municipalities.

(True Extract.)

C. G. MASTER,
Chief Secretary.

To the Surgeon-General with the Government of Madras.
" Director of Public Instruction.
" Sanitary Commissioner.
" Public Works Department.
" Revenue Department.
" Board of Revenue.
" Master Attendant, Madras.
To all Presidents of Municipalities.

Exd. A. F. Goodall.

Govt. of {1882} Madras.

FINANCIAL.

Issued

Recd

Encl.

G.O., 20th November 1882, No. 1732.

NOVEMBER.

Municipal and Local Funds.

Communicating Resolution of Government of India authorising Local Governments, in modification of Resolution, No. 1600 of 1882, to sanction increases of pay from Municipal or Local Funds, provided the charge is Provincial, and that the total emoluments of the officer after the increase do not exceed Rs. 250 a-month.

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

READ—the following paper :—

From J. E. O'CONOR, Esq., Assistant Secretary to the Government of India, Department of Finance and Commerce, to the Chief Secretary to Government, dated Simla, 24th April 1883, No 456.

I am directed to acknowledge the receipt of the letter from the Secretary to the Government of Madras, in the Public Works Department, No. 930 W., dated the 21st March 1883, explaining the circumstances under which the payment of bonuses to Messrs. Anthony and Gaynor were sanctioned without a previous reference to the Government of India, and, with reference to paragraph 2 thereof, to point out that the power of granting special additions to salries conferred on Local Governments by Financial Resolution, No. 2679, of the 31st August 1878, was withdrawn by paragraph 8 of the Resolution, No. 1600, of the 8th June 1882.

2. Referring to paragraph 3 of Colonel Sankey's letter, I am to request that, unless this has been already done, the various Departments of the Madras Secretariat may be informed of the orders alluded to therein.

ORDER—dated 11th June 1883, No. 1171, Financial.

Communicated to the Public Works Department. The Resolutions quoted in paragraph 1 were communicated with G.Os., No. 1687, dated 21st September 1878, and No. 598, dated 29th June 1882. Lette, No. 2824, dated the 3rd September 1881, from the Government of India does not apear to have been received in this Department, but letter, No. 1527, dated the 4th July 1881, was, it is observed, communicated with G.O., No. 1332, dated 20th July 1881, to all the Departments of the Secretariat, and their attention drawn to paragraph 2.

(True Extract.)

C. Hunter
Under Secy pro
for Chief Secretary.

To the Public Works Department.
" Revenue Department, } with copies of G.O., No. 598, dated 29th June 1882.
" Military " }

Exd. J. Wright.

Gobt. of (1883) Madras.

FINANCIAL.

Issued

Recd. 21/6/83 Encl.

G.O., 11th June 1883, No. 1171.

JUNE.

Powers of Local Governments.

Communicating to the Public Works Department letter from the Government of India pointing out that the power of granting special additions to salaries conferred on Local Governments was withdrawn by paragraph 8 of Financial Resolution, No. 1600, dated 8th June 1882.

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

Read—the following paper:—

Proceedings of the Government of India in the Department of Finance and Commerce (Accounts and Finance—Salaries, Establishments, &c.—Rules and General Matters), dated Simla, 29th August 1883, No. 2808.

Resolution—

Difficulty is sometimes felt in settling the remuneration which should be paid to a public officer who, at the request of his departmental superior or the Local Government under whom he is employed, gives his leisure to writing a book for official and public use. The Governor-General in Council accordingly directs that in all such cases in future the amount of payment must be settled, with the sanction of the Government of India in the Financial Department, before the work is undertaken.

Order—

Ordered that this Resolution be communicated to the several Departments of the Government of India, the several Local Governments, the Comptroller-General and the several Accountants-General, and the several chiefs of departments administered by the Government of India in the Department of Finance and Commerce.

(Signed) J. E. O'CONOR,
Asst. Secy. to the Govt. of India.

Order—dated 14th September 1883, No. 2025, Financial.

Communicated to all Departments of the Secretariat. The procedure under this Government will in future be the same, orders on each case issuing in the Financial Department after communication with the department immediately concerned.

(True Extract.)

E. F. WEBSTER,
Acting Chief Secretary.

To the Departments of the Secretariat.
" Accountant-General.

Exd. T. O'Connor.

Govt. of (1883) Madras.

FINANCIAL.

No. 2654 W of 11 October 1883

Recorded

20 of L. 13

26. 8.

Issued

Read.

Encl.

G.O., 14th September 1883, No. 2025.

No: 2654 W of 11. October

SEPTEMBER.

Honoraria.

Communicating, with remarks, to all Departments of the Secretariat Resolution of the Government of India directing that, in future, the remuneration to be paid to a public officer for writing a book for official or public use must be settled with the sanction of that Government in the Financial Department before the work is undertaken.

With Order

6h E for I
Young Engr for Rly

23

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter form Colonel W. S. TREVOR, R.E., Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 16th April 1884, No. 425 G.:—

In reply to your letter, No. 209 W., dated 23rd January 1884, detailing some of the instances in which Mr. Chisholm, Consulting Architect to the Government of Madras, has been permitted to receive fees for architectural work undertaken by him, outside his regular duties, I am directed to observe that Public Works Department Circular No. 101, dated 4th December 1868, distinctly prohibits the grant of fees in the manner described, without the special previous sanction of the Government of India, and this order would seem to cover all the cases in which Mr. Chisholm has been allowed to accept fees from private persons or corporations. Again the orders of Circular, No. 93 of 1878, as well as those of Circular No. X of 1882, which superseded the former, alike prohibit the grant of remuneration to an officer drawing Mr. Chisholm's salary for work performed for Municipalities or for Courts of Wards' estates, and yet it is observed that fees have been accepted by Mr. Chisholm for the Madras market (a municipal work), and for residences of Zemindars under the Court of Wards.

2. The proceedings of the Government of Madras, therefore, in allowing Mr. Chisholm to accept fees, have been clearly irregular and in disregard of repeated standing orders. I am to request therefore that the orders on the subject may in future be strictly adhered to.

ORDER—dated 12th May 1884, No. 1196 W., Public Works.

Recorded for guidance.

(True Extract.)

(Signed) J. SHAW STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. A. Aubert.
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 12th.

Read. *Encl.*

G.O., 12th May 1884, No. 1196 W.

MAY.

Fees and Commissions

Letter from the Government of India pointing out that orders on the subject of an officer drawing — for work done outside his regular duties have been disregarded in the case of Mr. R. F. Chisholm, and requesting that they may be strictly adhered to in future, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th July 1884, No. 673 M.W.:—

In reply to your letter, No. 1300 W., dated 23rd May 1884,* I am directed to state that the Government of India now sanction the construction of the proposed church at Wellington at a cost not exceeding Rs. 38,161, the amount of the estimate now submitted.

* Enclosures returned.

2. I am, however, to say that the Governor-General in Council still considers the cost of the church very high, and would ask that the strictest attention to economy may be enjoined on the officer entrusted with the execution of the work.

3. It is observed that the estimate now submitted does not provide for the satisfactory completion of the building in all respects, but it must be understood that the Government of India will not be able to sanction hereafter any further expenditure of public funds for completing the building.

ORDER—dated 12th August 1884, No. 1977 W., Public Works.

The estimate, amounting to Rs. 38,161, for constructing a church at Wellington, is sanctioned.

2. Funds are not immediately available, but an appropriation will be made as early as practicable.

3. The attention of the Superintending Engineer, IV Circle, is drawn to the instructions of the Government of India relative to the exercise of the strictest economy in the execution of the work.

4. This sanction has been registered as Provincial No. 112 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
" Consulting Architect to Government.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Ecclesiastical Department.
" Military Department.

Exd. E. Fernandes.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated August, 12th.

Read,

G.O., 12th Aug. 1884, No. 1977 W.

AUGUST.

Church

Estimate of Rs. 38,161 *for a — a*
Wellington, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ again—

Letter from the Government of India, recorded with G.O., dated 12th May 1884 No. 1196 W., Public Works.

ORDER—dated 4th June 1885, No. 1299 W., Public Works.

In their letter quoted above, the Government of India refer to existing rules on the subject of the acceptance, by officers of the Public Works Department, of fees for work undertaken outside their regular duties. They point out that the acceptance of such fees, without the prior sanction of the Government of India, is distinctly prohibited.

2. Attention is now called to those rules, which will in future be strictly enforced.

3. All permission given heretofore for the acceptance of fees is hereby cancelled.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
To Superintending Engineers.
To the Consulting Architect to Government.
" Superintendent of Works, Tank Maintenance Scheme.
" Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated June, 4th.

Read. *Encl.*

G.O., 4th June 1885, No. 1290 W.

JUNE.

Fees

Acceptance of — by Public Works officers for work undertaken outside their regular duties, strictly prohibited.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 128.

READ—the following paper:—

G.O., dated 4th October 1882, No. 1057, Ecclesiastical.

From the Right Reverend the Lord Bishop of Madras, to His Excellency the Right Honorable the Governor of Madras, dated Ootacamund, 15th September 1882, No. 201.

Having recently visited Wellington and conferred with the Commandant and the Chaplain, I have the honor to solicit your Excellency's attention to the pressing need of a church at Wellington.

2. The subject was last brought before Government in 1873. (Proceedings of the Madras Government, Military Department, 19th April 1873, and 24th July 1873, communicated to the Bishop in G.O., dated 5th August 1873, No. 166.)

3. Since that time the prospect of Wellington being maintained as an important Military Depôt appears to have become much more certain, and the number of troops quartered there has increased, so that now it is larger (I am informed) than at any other Madras Chaplain's station occupied by European troops, except Trimulgherry and the Trinity District of Bangalore.

4. At the present time the number is between seven and eight hundred, of whom upwards of 500 are entered as belonging to the Church of England, and there are women and children besides.

5. The place in which the services have hitherto been held is a long upstairs barrack-room on one side of the large quadrangle assigned for the purpose and very fairly furnished, but constantly liable to disturbance, especially on week days and at any non-parade service.

6. It is likely (I am informed) that a still larger number of men may be sent in future years to Wellington, and consequently that more accommodation will be required. For providing such additional accommodation it is incomparably more desirable that the present room used as a church should be made available, and a proper church be built, than that the existing arrangement for a church should continue and additional barracks be built.

7. There is an excellent site for a church on Onetree Hill, not more than half a mile from the barracks—a distance sufficiently far to be beyond the reach of uncongenial sounds and to afford entire change, and yet easy (it would seem) for the men to march.

8. The size of the church should probably be such as to provide accommodation for between five and six hundred persons.

9. The cost of building a substantial and suitable structure on the Hills will no doubt be large, upwards of *Rs.* 50,000; but I trust that your Excellency in Council seeing the need of it, and considering the claims of our army to be provided with the

means of worshipping God and receiving the ministrations of their Chaplains in peace, and the claims of Almighty God to temples worthy in some degree of the reverence we owe Him, will be able to approve the project and to remove any difficulties which may stand in the way of its attainment.

Order—dated 4th October 1882, No. 1057, Ecclesiastical.

Referred to the Public Works Department with original note of His Excellency the Governor.

(Signed) C. G. MASTER,
Chief Secretary.

No. 129.

Order—dated 20th October 1882, No. 2741 W., Public Works.

The Right Honorable the Governor in Council observes that there is no immediate prospect of funds being available for the erection of a church at Wellington. The subject will however be kept in view, and steps at once taken by the Superintending Engineer for selecting, in communication with the Chaplain, and demarcating the best site for the building.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Offg. Secy. to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle.
" Ecclesiastical Department.

Encl. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1882], Madras.

PUBLIC WORKS.

Dated October, 20th.

Rcpd. Encl.

G.O., 20th Oct. 1882, No. 2741 W.

OCTOBER.
Nos. 128-129.

Church at Wellington.

The Superintending Engineer directed to take steps at once for selecting the best site for the building of a —.

ROADS AND BUILDINGS.

CONSULTING ARCHITECT'S OFFICE,

No. 64 *Chepauk, 17th Apl.* 1883

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE CHIEF ENGINEER, PUBLIC WORKS DEPARTMENT,
BUILDINGS AND ROADS BRANCH.

SIR,—

I have the honor to submit for approval the Plan and Estimate prepared by Mr. Nicholson for a Church proposed to be erected at Wellington.

Enclosures.
1 Tracing
1 Estimate.

I have the honor to be

Sir

your most obedt servant

Consulting

Offg Consg Archt. to Govt.

PWC No 3283

Lr no: 2697. 29.9.65.
33. 5.1.66.
2037. 29.6.66.
2366. 26.7.66
2734. 29.1.67
2744
584. 26.2.67
126. 16.1.68
No 7792. 10.6.83
(For the last of the last papers
Vide Cub 3692/83)

ROADS AND BUILDINGS.

From

The Consulting Architect
to Government,

To

The Chief Engineer, P. W. Department,
Buildings and Roads Branch.

No. 64

Dated 17th April 1883.

Received 19/4/83.

No. of Enclosures. 2
17/6

Submits plan and Estimate for a Church at Wellington

Rd 24.4 Lieut 10/5 Rets.
Rd 19/4. Ref. 19/500 & 22/5
Lieut 30/4 R 4/5
Lieut 2/5 R 7/5
Lieut 2/5 R 8/5

Public Works Department, 188 8.

30

Current No. 3283

Letter No. 64

Dated the 17th April 83

From the Cons Architect

Note of Remarks.

1. The accompanying plan and estimate, £9,788 provide for the construction of a church at Wellington capable of accommodating 568 persons.

2. All the necessary plans and documents have been submitted in correct form - The only point calling attention is - the high rates charged for various materials, but this may be unavoidable

19th April 83
JBK

P. W. Secretariat.

C. No. 3203.

31

Note by Budget Section.

Work Construction of a Church at Willingdon. Remarks and References.

Fund Provincial

Service Head Civil Buildings

Departmental Head Original Works

Amount of Estimate ... ... Rs. 94,988

Expenditure in previous year ... ... " "

Allotment in current year ... ... " "

Balance required to complete ... ... " "

Total Rs... 94,988

Note of available funds.

The Provincial grant amounts to only Rs 94,423 and will probably be required to meet the Rs amounts of Rs. Rs 23 -

There are no funds, unless Govt. can grant a special allotment for the work.

Budget Clerk.

Note by Budget Section.

37

R E the Canon in Charge
with a copy of the Schedule

For order.

The Consulting Architect
recommends Lebunitz a design
for a Salisbury Church
at Wellington to
accommodate a congregation
of 550 and to cost
£9,788

under the representation made by the Bishop
in his No 207 of 15th Sept
1882 the Size of the
Church was to be
such as to accommodate
between 500 and 600
persons

S.O. 20 October 1882
No 2742 W intimated
the above was limited
stated that there
was no immediate pros-
pect of funds being made
available for the Church
and that the Site al-
lotted should be selected
and demarcated

Recd 28/4 R 28/4
Con 26/4 R 27/4 Appn 27/4 R

A reported case by the Lahore Judiciary in the 1862 dated 3rd Feb 1883 the Site indented by the Bishop was observed and as it has already been removed by the Church as further action in the report was necessary

At the returned hearing of H.H. the C in C the diaries hereafter submitted have been perused

The rules during the outbreak in Chinese in Shikitan Statutes inle be found in paras 1242 to 1248 in the new Pol. Code

Under the first of the above paras it will be observed that the outbreak has to be met from Provincial Funds

Under para 1245 the under the Statutes

to be provided the Remounts and Batteries in Simla, but in the Volunteers have it observed that the Dirge of the Church may be regulated as to as allow of the Head of the troops attending Service at the time"

It is not any clear in the present case who should be provided for the Bishop but according to the maximum of 600 it might be thought desirable to provide by a contribution of 300

In the matter of Cost this under para 1248 is determined by the following - 6 annas per day during Enclosure of all persons and other points not actually entered by the Statutes are allowed and to the area thus obtained may be established a rate per Centesimal Cost - 25 per cent in excess of that which present at the time

In ordinary Gothic
Storied buildings

In the Cathedrals design
the total A unutilized
to utilized spaces is
abt. 3/8 in. as I have
taken

For sittings	At 6 Sq. ft.	Add for unutilized spaces 3/8	Total area of Church
300	1800	1350	Sq. ft. 3150

As regards cost- I have
submitted both- the amended
& old dated 3rd January 1879 No 40
page 102 gives the cost of
a similar R buildings
already executed at
Ootacamund both with
and double storeys

The latest- which I have
like in St Thomas's Church
which is a very plain structure
and has only a steeple
tower but no steeple

In area covered was
49'4 by 49' feet- and the
cost Rs 64,400 giving
an average rate of Rs

of plans
I am applied to
Wellington Church
and I give 3150 x 13
40,950 Rs

For accommodating
computation the total
on the same scale as
necessary in 8,900

The work provided
in the Cathedrals design
is of a different description
of brick [illegible] of
Stone dressings, whereas
St Thomas is a mixed
plastered brick with
computed in roof

I have can be no question
as to the superiority
of the former but as
the last- may with
proceeding pictures
see that- cost is little
to be under the difficulties
design I submitted
that the various dimensions
would probably
to — and
to —
For a Church to
Accommodate 300 persons

under a design very
similar to the Christchurch
one ——— say. 55,000

Letter with the same class
of work as in D. Thomas's
church at Ootacamund
——— Say 40,000

For Good Shepherd
Mr. Christchurch Convent
Salem ——— Rs 92,000

Letter with the same class
of work as in D. Thomas's
Coss ——— 75
80,000

Although the incidence
of the Church will be
Provincial it is not quite
clear whether looking to
the limitations laid down
in the Code as above noted
the design if approved
and sanctioned by the
Government would not
have to be submitted
for the approval of the
Govt. of India

26/2/87

There is no doubt
as to the desirability of
having a Church at
Wellington - many men
could be saved - no
is that until a Church
is built a certain portion
of the barracks
be kept for Divine
Service as thus
reducing the number
of men at the depôt -
Mr. Christchurch's design
is so infinitely superior
to that of D. Thomas'
Church - Ootacamund
that I would recommend
it in preference at the
extra cost of Rs 10,000

For the present
a Church to accommodate
300 sittings with office.
but the building
should be so designed
as to admit of its enlargement
being at some future
time, if necessary -

JR.

27.4.87

D. W

21- has been directed
in Council to re-
cast the Christchurch
plans so as to
limit the accommodation
of 300 and submit
to GOI

The general features
are approved but
whether the reduction
to 300 can be
made by simple
contraction of all the
dimensions
combined - to decided
probably on consultation
with Mr Rea

This point settled
GI are now informed
that the new plans
& Estimate can be
framed in the Office

Rein 30/9 K 11/5
Cir 25/4 K 28/4

If the Consulting Architect whom I wish decide as to further action in the matter

Ottt

27 4 83

37

For orders

From the Diocesan
note to be obtained
Chief Engineer detailed
yesterday your Emolu
will observe that in
accordance with the
decision of H.E. in C
I am making enquiry
in reducing the Cathedral
Church so as to accom-
-modate a congregation
of 300. In the mean-
-while remain the
annexed letter plan
23 inst. has come to
hand from the Bishop's
Chaplain requesting
that accommodation be
provided in the design
for at least 500, and
forwarding a letter from

Recd 30/4 R 11/5
Cir. 20/4 R 28/4

Sir Chamberlain to
Wellington in Subject

Thanks the Lady Lou-
-isada that the
large sum of money
required to building
a Church for this City
will almost certainly
incur the rejection
of the Scheme by the
S of S to whom it must
be submitted. I still
think it desirable to
forward the correspondence
for consideration before
taking further action
in reference to the
design & Estimate for
the work

28. 9. 83

I still think it desirable
to build a small Church
in the first instance
one that can be

enlarged hereafter will
be another way
necessary

28 9 83

Sir

For orders

I am not quite sure
that I understand
precisely what is now
to be done in the matter
As pointed out by me
in Council there
is no inherent difficulty
in building the Chancel
transept, and a small
portion of the nave as
Mr. Christchurch plan thus
this enabling the work
of immediate erection of his
design would be accom-
-modating 300 sittings
about Rs 65,000 out of the total
Estimate
In alternative to
this add certainly

Chairs expedient
was to reduce the
Chichesters plans all
round (which as fars as
possible preserving his
proportions &c) so as to
accommodate 300 - The
resulting church under
this arrangement would
be complete in itself &
would not be liable to
subsequent extension

I understood this
letter to be the decision
of the Council: but if
H.E. would wish the
matter reconsidered
I will bring it to
file by order of the
Council

23/4/03 RTH

I certainly think the church
should be capable of being
enlarged - but the first

Meeting is to pick a church
with 300 - and if a
small church to accom-
modate say 300 can be
constructed without
delay - then it should
be decided upon

HR

11-5-03

Urgent

For orders

Please see annexed Office
note sent round on the
subject of reducing the
Chichesters design for the
proposed Wellington Church
from 540 to 350 sittings
while maintaining the leading
features (though using the
Aisle seats in the interests
of economy) of the original
design

As shown in the O.N.
a church can of course be
built to 300 but in that
case a complete and
distinct whole would be produced
always by omitting the
subsidiary features and suggestions
by Major Brown and the
Rev time will be the
advantage of preserving at
least the skeleton of
Mr Chichesters design
(in itself a good one)
and of liberally giving

D.V.W.

Mr Rea may now
be entrusted with the
preparation of a fresh
design — See my
note and marked
passage in draft of
H.E. to Sec of C

RTH

30/5/03

S.A.W. Let Rea be asked
to prepare a design for church
to accommodate 300 & not to
cost more than Rs. 50,000.
— prepare to print all the
assistance in my power as regards
suggestion for seating, arrangements,
&c. he must take plans & details
with the least possible delay.

How long will they take?

AS
5/6

Dr W

Please see written
notes of the Members
of Government.

You may consider
yourself now briefed
by my note to you
of 27.4.83 as regards
the character of the
design

Att

15.5.83

Really don't think
it matters much
what the design is -
what we require is
a church to hold eight
hundred persons and
to admit of one storey
and room
as a church, being
available if that is
required, otherwise
for both soldiers -
Let us prepared to
accept any design
with pice for tilling
at the least cost to the
State -

I only hope that
the design will be
decided upon
further delay -
an estimate
be passed and
submitted for the
sanction of the Govt
of India, and
a certain sum
be provided to such
a commencement to
render that year.

JR

25.5.83

Could to it some of
the objects which have
led to the return without
removal, and of adding
to the accommodation if
necessary — at some
future time when money
may be more abundant

I confess myself very
sceptical as to any such
lucky financial prosperity
arising at any future time
and if therefore committed
to draw an opinion would
venture to recommend that
Mr Rea be commissioned
to prepare an estimate for
design for 300 sittings and
limited to Rs 50,000 which
it seems to me is the utmost
that Provincial can
possibly afford — if
indeed so large an amount
can possibly be found amid
the thousand and one
pressing claims in other
directions — In favour
of such instruction is
solicited

28.5.83 Att

Dlo d

No 1070 C

5th June 1883.

To A Rea Esqr
School of Arts

Sir

I have the honor to forward
× the accompanying papers relative
One office to the provision of a Chunole at
Note by Dr W Letter from Willington, and to request that
Con & Archt with Plan I am will be good enough to fur
& Estt nish a fresh design for a Chunole
Return to accommodate 300 people and
requested not to cost more than Rs. 50,000
I am prepared to give due de
Division, Cls letter the assistance in my power as
& estimate regards suggestions for economy/
returned arrangements &c
8/6/83

2. I have to add that the
revised Plan & Estt are required
with the least possible delay,
& to request you will kindly inform
me at once by what date you
will

probably be able to submit them -

Shall go

P.W. C/3

W

Encl

5083

No 779C dy 10-4-83
G.O. 2741W dy 20-10-82
" 42W dy 3-1-77
" 126 dy 16-1-68
" 554 dy 26-2-67
" 560 dy 29-1-67
" 273 dy 29-0.

G.O. Cancelled on this subject
" 2366 a/26-7-66.
" 2057 dy 28-6-66
" 33 dy 5-1-66
" 2897 dy 29-7-65

No 1076 C dy 5-6-83

Sent with Receipt Slip

School of Arts
Madras June 11 1883

Dear Sir

I send you the plans for the church at Wellington; also those of Mr Chisholm.

The plan shews an accommodation of exactly 300 sittings exclusive of the choir. I have shewn accommodation for the officers in the west end of the church with a door in the front, by which they can enter separately from the men.

I have adhered as closely as possible to the original design of Mr Chisholm, as far as the alterations for reducing the number of the sittings & bringing down the estimate to Rs 5,000 would allow.

The church is shortened by two bays of arches, chancel reduced in length & breadth; I have likewise reduced the projection of the transepts. I have omitted the brick vaulting in the two recesses in west end of ch. & in the Chancel. In the latter I have substituted a plain coved pointed wooden ceiling

Lastly

with surface vaulting ribs of wood.

The recessed brick arches in the foundation are also omitted, which considerably lessens the expense, & they are not absolutely necessary unless the foundation is very bad.

I have taken out all the plate tracery from the windows, with the exception of the large transom window in front, & for the stone tracings I would propose that moulded bricks or bricks on end be substituted.

When the ornament generally all over the church has been dispensed with, still, nevertheless, adhering as near as may be to the original proportions. The arches are all in brick & pointed with cement; & the roofs of tiles.

The principals & main roofs of church, have tie cased pieces of timber placed in every alternate truss over the piers; those between have merely the principal rafters, tie, & collar beams, with common rafters between. The floor is laid with tiles, & the walls should all have a damp proof course of cement or asphalte laid, at the level of the ground.

As to the relative cubic capacity of the two designs that of Mr Chisholm's contains about 2[illegible] feet; & mine about 139 900. and making an approximate estimate of these figures, the former has been priced at about 6/8 annas per cub foot and allowing for the decreased ornateness of my design I have allowed 5 3/4 annas per foot which brings the estimate up to about Rs 56.240 This figure can still be considerably reduced if need be, by reducing the height of chancel, omitting the passage round it & constructing the vaulting of plaster. A number of other reductions could also suggest themselves without interfering with the harmony of the design.

The church can be extended at any future date by projecting the transepts out to any required length. The front wall could also be

brought forward for the same purpose.

I have the honour, to be

Sir

Your Obedient servant

Alex. Rea

GOVT. OF MADRAS. } 188 . { P.W. DEPT.

SECRETARY.

188 8.

CHEPAUK. 14th June

OFFICE NOTE.

To W

Church at Bellary.

I forward for orders proposed drawings & M.E. Rea's estimate for designs for a Church at Bellary to accommodate 300 — viz: 268 men & 32 women. In addition 23 seats for choir. Mr. Rea's estimate for the building complete with all appurtenances is Rs. 50000. His design at Rs. 50000. Mr. Vincent has also sent in roughly estimated for another design which he makes it Rs 49,060. Both the former being of domestic characters of his design as against Mr. Chisholm's almost entirely 5¾ ad. four ft. of space in lieu of 6½ ft. Mr. Rea's seems to be 6.28 ft. to obtain his estimate is how stone but Rs 6. Rs 50000 will cover the cost. I forward the most also it is to make in a regular detailed estimate for orders for same in consultation of Mr. Rea. The only Govt. Architect

Ackg

1/6 Rec'd 2/7

me is either the first column
(or either half column half pier)
of side aisles is quite correct.
It is 2 ft. wide. Thrust of
big arch of transept is entirely
left that of first arch of side
aisle, but there is the side
thrust of the 10 ft. wall at
top of the aisle – i.e. in the
wall between aisle & transept.

C Shuter

Dew

14/6

Ker Ch Comm 9 Cl
Kpr H.C. Subdiv
Two cards

In submitting the annual
report (south) division the
Executive Engineer, Mr. Rae's letter
dilates pretty freely on the
as most points
while admitting as clearly
as circumstances admitted
to Mr Chisholm's original
plan (which accompanied
his report), the limit of
Rs 300 sitting
and of estimate Rs 50,000 has
been adhered to – and so
far as I am enabled to judge
Mr Rae has been successful
in producing a substantial of
harmonious design

On only two points will
I make brief remarks, as
marked features of the annual
letter

For (a) Flooring I should

I prefer stone flags to anything else, or failing this timber planking - Tiles are cannot as yet turn out of sufficient hardness to stand wear and tear - perishable & trouble

As regards the reductions shown to be feasible under (b) I confess I do not like to suggest that these could be made, and before doing so the Committee would if asked ask the Rly to estimate in full in detail and then show the reductions which could be made at once ~~in~~ pending

I fear it will be difficult to provide the this Branch out of "Provincial" during current year unless the Financial Department on the strength of the unexpected Savings of 1882-83 finds it convenient to give a Special grant of say Rs 20,000

18/6/83

I agree with Colonel Stuckey's remarks - I hope it will be found possible to give a part of Rs 20,000 this year, as time is the essence of the matter before 31st March 1884 -

JR.

20/6/83

No 1796

Ootacamund dated 25th June 1883.

Memo

Transferred to the Financial Dept. with a request to know whether the suggested assignment of Rs 20,000 can be made to the Wellington Branch during current year in excess of the Budget assignment under "Provincial"

Secretary to Govt. P.W. Dept.

25th June 1883.

+ Referred to. How the reply is to be given when it is received

To The Financial Dept. in original, to be returned.

S. a. cv.

Forward to Mr Allen with request he will move part in hand the necessary details & Estimate.

CJ

27

C A W 2

This was returned to me personally yesterday by the C in C. If I understood the O.R. which accompanied the plans was returned afterwards the same day and if so both should be sent to the D: W with a request that the design by Mr Rea modified as regards the flooring only (see my note) should now be worked out in detail & submitted

Jan 11 [illegible]

P.W. Dept.

No 1256 C.

To A. Rea. Esqr
School of Arts.
Chepauk 4th July 83

Sir

With reference to your
letter of the 11th June 1883, I
have the honor to return the
rough design and estimate
for the proposed Church at
Wellington and to request
that you will now be good enough
to put in hand a detailed
plan and estimate and
forward the same to me
at early convenience.

2. The only alteration
which the Government
desire to have carried out

at

Wellington Church file
sent to the Financial
Dept with the Govt. No.
994 of 25 June. The
plan & estimate have been returned
with Financial Memo
1220 of 28th July which
holds out no immediate
prospect of a grant
although the officer
states that the
subscriptions of Govt are
sufficient of the work to
being taken up.

The Financial
Dept have still to
reply to the latest
reference showing
what the savings
actually amount to

A.S.
2/8

C.P.W.

Ten Brass un
mentioned in sp
applied by the

at present existing substitution
of Stone - flags or Railway
of timber planking for the
proposed tile flooring

Hawkes

Judy Lab.
27.11

Re 1070 C dy 5-6-83
" 799 C dy 10-4-83
G.O. 4W dy 3-1-77
" 126 dy 16-1-67
" 274 dy 29-1-67
" 273 dy 29-1-67
" 584 dy 26-2-67
" 2366 dy 28-7-66
" 2037 dy 28-6-66
" 33 dy 5-1-66
" 2597 dy 29-9-65

Re 1256 C dy 4-7-83

Connected with W. 1531 B
3.7.83

For perusal
JB

Thanks — the will be
very well — CL
16.6

T.W.

The work was entrusted to Mr Rea, because it was considered that Mr Vincent, who was then acting C.E. was not qualified to undertake the design.

I put up for your perusal a D/O letter from Jas. Sankey, dated 17 April, 83, which explains this. From conversing part of that who it might be inferred that Mr Rea would have to do such work as part of his duty in the School of Arts, but subsequently I think it was decided by Genl Sankey that he should be remunerated for the Wellington Church & other work of the sort undertaken by him.

As regards the design for which Mr Rea solicits remuneration please see Genl Sankey's "For Orders" — dated 28.5.83 — in which he recommended that "Mr Rea be commissioned to prepare an authority for design for 300 sittings" &c. Genl Sankey's marginal intimation thereon were I think authority for me to proceed, & I certainly understood all along that Mr Rea was to be fairly remunerated for the job, & gave him to understand that he would.

I also forward a few letters D/O notes with passages marked, regarding work done by Mr Rea, his remuneration, &c.

You will understand, I hope, that it was not my opinion that Mr Vincent could not undertake such work satisfactorily, nor was it my recommendation that it should be given to Mr Rea, on whether I was then new to this office, & was unable to give an opinion worth having in the matter on way or the other. I may state, however, that in this & other

we at the time as amounts quite to employ an outsider.

Mr Rea's qualifications are given in his attached note of 30 April 85 to Genl Lonkey.

The fee claimed by Mr Rea, and included in the Estimate on No. 718. It was calculated at 1½ percent on the cost of the work, viz on Rs. 49,222.

I consider that the fee is too high for the work performed. Half the amount would be fair remuneration in my opinion, though I am hardly competent to judge of the matter.

A percentage charge appears to be irregular in this case, for normal rates for professional men is the high rates for raising on the R.E.s. Mean than of the cost, or at most including any new work or designs than if the work was done on the plans at half the money.

Mr Rea might be asked to submit a bill for the number of days given & him & the work at what he considers this time was worth & this might be submitted to C.A. for check.

Cd.
13.6.85

To D.W.

Please act as suggested. I concur with you that Mr Rea's demand ✓736/ is out of the question.

Meanwhile I am keeping the papers here including the 4 do. notes from Genl Lonkey.

DL
13/6

To D.W.

(1). Before disposing of the matter referred to in your attached note, I should like to have on record the circumstances which rendered necessary an application for a design to an outsider, as Mr Rea is, — while Govt. entertain a special Officer as C.A.

Possibly this point may have been already explained by you, but if so I have no recollection of it, — and I can find nothing on record in your note ✓ 30-1-85, or elsewhere in these papers.

(2). What were Mr Rea's special qualifications for the duty?

(3). What is the amount of the fee claimed by him? How was it calculated? Do you consider it reasonable?

DL
9-6-85

W.

Mr Rea writes to me regarding the payment of the fee promised to him on account of work done in designing a new church for Wellington.
Mr Rea's design was eventually set aside, but this did not I think disentitle him to remuneration for the services rendered.
In my note to you of 30/1/04 I alluded to this matter & stated that Mr Rea's fee might be paid from the allowance for contingencies in the sanctioned Estimate. No order were passed on the question.
If you consider that Mr Rea should be remunerated for his work — and we are bound in fairness to recognise him for his labour & time — I venture to recommend that I be allowed to settle the amount in consultation with C. A. & charge the same to the "contingencies" of the Estimate.
I may add that the correspondence connected with payments to Mr Rea for his work on the Wellington Church & other municipal market projects was almost all demi official between myself & Genl Sankey. I had, however, full authority to promise Mr Rea that he would be paid for his services.

Cdt.
6.6.05

W.

Fee to Mr Rea for work done in connection with Wellington Church

---

The remuneration of £400 p.a. now proposed by C.E. seems to me a fair settlement of the claim.

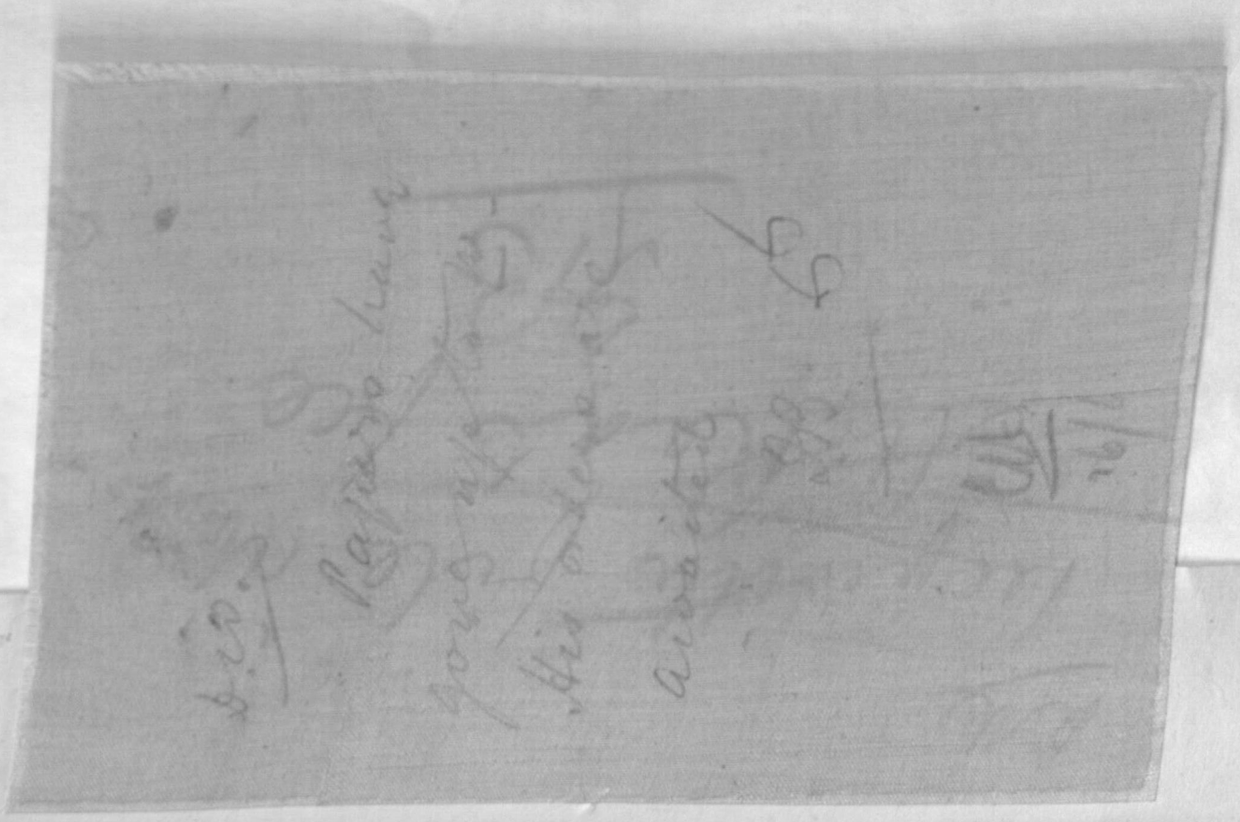
The charge might be met from the "Contingencies of the Synod's Estimate & other" payments in connection with designing & taking out quantities".

It is probable that C. will take objection to the charge which is, I fear, irregular, but in the circumstances it was probably unavoidable — but in first instance E.E. would be well if E.E. in no way specified the charge in his accounts, merely entering it as a Compensation under contingent head.

Ch.
15.6.85

Suggested course approved

H.H.
26.6.85



Madras
25th June 1855

Dear Major Bourchier

I had the pleasure
letter of the 20th inst
regarding my account
for the pleasure of the
Wellington Church.

I charged the usual
Superintendence commission
for such work. At
this date I think
I can hardly give
a correct statement
of my own time

employed in the
production of the
drawings. But I
had also a compe-
-tent draughtsman
engaged on them for
a considerable
time.

I have since seen
the Bonnatten's
Architect, who
has promised to
examine the work

and in consultation
with you, to name
a reasonable re-
-muneration. I
shall agree to
whatever you
decide. I shall
be glad to hear
what result
you arrive at.

Yours truly
S. Cox

5 Gt

S.A.W.

The correspondence on this subject seems to have been lost and we have no record of it in the office. I send herewith the original file, notes &c. regarding the Wellington Church. Please see the "For order" sheets attached to No. 1070 & 5-6-83.

Please see No. 20996 dated 18.12.84 regarding plans &c. for the new market at Tauranga.

S.P.
5/6/85.

R.d

Seems "account" in this. Perhaps a separate letter was sent from Mr. Rea. and not put into this file?

J.B.

Yes. was add/d. Submitted. S.P. 5/6/85.

CSO 5/60
1571 D.37
S.P.
3-7-85.

The [illegible] the file
[illegible] was a note
in [illegible] Estimate, in which I
[illegible] to [illegible] for Rs. Cd.
5-6-85.

RK

Dy. W.

Complete file now submitted. Please see Note attached to original G.O. No. 3323 W dated 22nd November 1883.

J.F.
5-6-85

GOVT. ARCHAEOLOGICAL SURVEY MADRAS.

Madras. 4th June 85.

Major Bowen

Dear Sir

Do you know if anything has been done with regard to my account for the plans and estimates for the Wellington Ch? Is there any likelyhood of its being passed shortly; or, should I present an new account? I should be much obliged if you could let me know

Government of Madras
Public Works Department
Chepâk, Madras
18th June 1885.

Sir,

With reference to your D/o 4th Major Bowen dated 4th June 1885, I am directed by that Officer to say that your percentage charge, amounting to Rs 730/- for designing the Wellington Church appears irregular in view of the abnormal circumstances of the case (i.e. the high rates prevailing on the Hills) and excessive, Considering the amount of work performed.

I am to request that you will submit a memo to the Deputy Chief Engineer, P. W. D. stating for the number of days devoted by you to the work in question and containing an estimate of what you consider your time so

taken up is fairly worth.

On receipt of this information, the amount of the honorarium to be awarded you will be determined in Consultation with the Consulting Architect to Government.

Yours obediently

(Signed) Frank D. Bird

Second Assistant

P.W. Dept

A Rea Esq

7

Their copy
despatched
FB.
18/6/5

Copy

Office Note

No. 466 Chepauk

24th June 1885

To.

61

D. W.

With reference to our Conversation the other day regarding the amount of fees to be paid to Mr. Rea for his designs for the Wellington Church: Mr. Rea was engaged on other work at the time and could not possibly say what number of hours he was engaged on this particular work, at the same time he expressed his readiness to abide by my decision if I would undertake to value the work.

I have examined the drawings and think that 7 days @ 50/ a fair valuation but considering all the circumstances and Mr. Rea's perfect readiness to leave the matter entirely in our hands I would remove all doubts by adding another day and say 8 days at 50/.

C.A.

400/- inclus. of 72/-

Inv 2572 C 4.2.84

(6) With 5.50

Rec 25/6/85.

No 1531 Day 3-7-85-

Submitted.

JR.

C.E.

C. 25.6.85 A. 30.6.85

No 1531 Day 3rd July 85

To C.A.

Your Office Note No 466 of 24th June "in re" fee to Mr Rea.

The good enough to discuss to Mr Rea the honorarium of Rs. 400 as recommended above, and transfer the charge to E.E. Hilpiri Division, who will debit the amount to the item "Contingencies" of the sanctd Estimate for the Wellington Church, entering same in lump sum without voucher as a subsequent charge incurred in Madras.

CS

30-6-85

Copy to the Hilpiri Div.

Received 3/7/85.

Vide original G.O. 88 dt 22-11-83 Cycle - 5 P 7-7-85

Beaulieu.

19-11-85

My dear Colonel,

I received this morning your d/o of yesterday enclosing Mr Read's fee for the Wellington Chronicle & I am much obliged to you for attending to the matter.

I am sorry to find that there is no trace of my papers & cannot find any Sankey's despatches in the district. I remember right from this that it had from them up on withdrawing my old papers when leaving Madras, & it is by no means that I did not obtain that portion to have been settled for ever, but what puzzles me is that I have got the d/os for

Over 12 months ✱ there or thereabouts
delayed unnecessarily. You will remember that
there was some indefiniteness between us
in June 1871 as to what the very fee
which he alluded to the position. His
remarks I remember were understood by
me in due period. I obtain your
I could find them, nor your covering
letter. That can have been of them it
is likely to say. Possibly I may have
destroyed them in the belief that neither
were to be met for ever, but I confess I
cannot remember.

I have no recollection of a note for
order of 1872 on that subject. In fact

I doubt if one was ever written. If
one was written it might certainly be on
the Wellington Church file, or on the file
connected with Thirlwall, Fulbrook & Vincent's
appointment as Off: C.A., or perhaps amongst
papers in subject of the Derby market.

The only official note in which the
fee question was touched on — that I know
of distinct recollection of — was that with
which I sent up the reduced Estimates
for Wellington Church. With my notes
thereon I think I mentioned that no
provision was made for his Rent fee, &
suggested that it should be charged to
the "contingencies" of the Estimate. Any
formal note, more especially one for order,
could never have been removed from the file. —

The whole business was so distinctly irregular

I have examined the

I thought to call to the
[illegible]
that it was written to enforce
to mention a remuneration
effect for special work to
[illegible]
his favour or chief hopes
a charge to the rate of

[illegible]
I am sincerely
C Brown.

[Form No. viii.]

GOVT. OF MADRAS. | 1885. | P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 29th OCTOBER 1885.

OFFICE NOTE No. 609.

To

W.

WITH REFERENCE TO YOUR OFFICE NOTE NO. 1531 C. OF 3RD. JULY 1885 TO THE CONSULTING ARCHITECT TO GOVERNMENT INSTRUCTING THAT OFFICER TO PAY MR. REA RS. 400 AS AN HONORARIUM FOR WORK DONE IN CONNECTION WITH THE CHURCH AT NELLINGTON, I SHALL FEEL OBLIGED BY YOUR INFORMING ME OF THE NATURE OF OTHER PARTICULARS OF THE WORK DONE BY MR. REA AND ALSO WHETHER HE IS IN GOVERNMENT EMPLOY.

C.

KEEP-WITH Genl. No.

dated 188 .

No. 584
2.11.85
3.11

Chepauk
3rd Nov/85

No 2491D

Joc

Mr Rea prepared the original design for the Church at Wellington, the estimate for the Construction of which was sanctioned in G.O. No. 1977 Wdy 12th August 1884. Mr Rea is in Government employ; his official designation is "First Assistant, Govt Archæological Survey"

Dlw

W.
2-11-85

W

[Form No. viii.]

GOVT. OF MADRAS. } 1885. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 13th NOVEMBER 1885.

OFFICE NOTE No. 646.

To

P. W.

13 NOV

YOUR OFFICE NOTE NO.5406 D. DATED 3RD. NOVEMBER 1885.

I BEG TO DRAW YOUR ATTENTION TO THE ORDERS QUOTED IN THE MARGIN.

IN REFERENCE TO THE HONORARIUM PAID TO MR.REA. FIRST ASSISTANT GOVERNMENT ARCHAEOLOGICAL SURVEY. AND CHARGED TO THE CONTINGENCIES OF THE ESTIMATE OF THE CHURCH AT WELLINGTON.

KEEP-WITH Genl. No.

dated 188 .

G.O. NO.1848 W. DATED 2ND.JULY 1883.
G.O. NO.2299 W. DATED 4TH.JUNE 1885.
GOVERNMENT OF INDIA LETTER NO. 425 G. DATED 10TH.APRIL 1884.
PARA 529 AND 530 A. OF THE P.W. CODE.

Original Site with Estimate in Consultation Proceedings of 1884 for perusal of S.P.

Vcc
13/11

Rec'd 13/11/15

2nd

Rec'd 9857

to 2874 & 67

P.W. Department

Proceedings of the Madras Government

under date the 25th Nov. 15

Read the following

From the Ex. P.W. Accts. A.G. No 646 dy 13th Nov. 15

Ordered that

the Government of India

be addressed.

(A.G. No 2874 W dy 25th Nov. 15)

To

The Secy: to the

Government of India

P.W. Department

Sir,

I am directed to

report the following

Ex: P.W. accounts

D
25/11

circumstances for the
information of the
Government of India.

2. The original
estimate for construc=
=ting a Protestant
Church at the military
station at Wellington
was prepared by Mr.
R. F. Chisholm, Contg.
Architect to this
Government, early in
1883, and amounted to
Rs 94,000; the number
of sittings first
provided for having

been 540. This Govt.
however considered
the expenditure of
so large a sum out
of the question, and
called for a reduced
estimate. Mr. Chisholm
had then left India
on furlough; and, ~~as~~
in his absence, the preparation
~~the office conducting~~
of a fresh design
~~his duties was not~~
~~considered qualified~~
~~to prepare a fresh~~
~~design, the work~~
intrusted
was ~~given~~ by Major
General Lankey, then

Chief Engineer, to Mr. A. Rea, First asstt. Supt: archæological Survey, with a promise that ~~the letter would~~ he should be duly remunerated for his labour. Mr. Rea performed the work outside his re=gular duties, and the design and estimate submitted by him were forwarded to the Govt: of India with this department letter No. 26 11 W a/ 15 Sept^r/83.

69

The revised estimate was considered by the Government of India to be too expensive, (vide your letter No. 1124. M. W. d/ 7 November/83). but Mr. Rea's claim had none the less to be liquidated.

3. Mr. Rea having recently pressed his claim to payment, and the work being in pro=gress on the finally sanctioned design, a sum of £400 was paid to that gentleman,

and charged off to the
" "Contingencies" of
the estimate.

4. It has now
come to the notice of
this Government that,
as Mr. Rea is a Govt.
officer, the honorarium
should not have been
granted without the
previous sanction of
the Government of India,
vide para 8 of Financial
~~Letter &c~~
Resolution dated 9th June
~~&c &c &c~~
1882, No. 1600;
~~&c &c &c~~;
and I am to express
regret that the point

escaped notice, Mr.
Rea having undertaken
the work as an officer
outside the P.W. Dept.
At the same time, I
am desired to request
that the Government
of India will be good
enough to confirm the
action of this Govt.,
the payment having
been made in discharge
of an obligation in-
-curred nearly three
years ago.

70

Secy
25/11/85.

Sec
18/11/85

W.S.
19.11.85

Cr

Secy to the Govt of India

1256 Rajpt

Date 5-6-93

2741 W 20-10-92

From H. E. Luther Esq

GO 2854 Wdf 11.10.83
- 2479 Wdf 22.10.83
- 496 Wdf 12.5.84
- 1299 Wdf 16.6.85
- 3761 Wdf 20.10.82
- 2610 11 Wdf 15.9.83
- 3323 Wdf 22.11.83
- 953 Wdf 7.4.84
- 1997 Wdf 12.8.84
- 3403 Wdf 30.9.84
- 3143 Wdf 20.11.84
- 3124 Wdf 10.2.85
- 1531 Wdf 2.7.85
- 835 Wdf 28.8.85
- 3349 Wdf 15.12.85
- 231 Wdf 19.7.83
- 9306 Wdf 21.3.83
- 1844 Wdf 2.7.83
- 4029 Wdf 16.10.78
- 1910 Wdf 2.8.87
- 1869 Wdf 21.7.82
- 2417 Wdf 16.9.82
- 1533 Wdf 20.11.82

No 2814 / 2815 Wdf 25/11/85

Dept

Kg. 26/11

Kg. 26/11

No. 4 3.

All communications should be addressed to the Secretary.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Buildings.

71

To

The Secy. to the Govt of Madras.

Public Works Deptt.

Fort William, the 18th December 1885.

Sir,

In reply to your letter No. 2815 W. dated 25th November, I am directed to state that under the circumstances explained therein, the Govt of India confirms the action of the Govt of Madras as a special case, in regard to the payment of the honorarium of Rs 400/- to Mr. A. Rea of the Geological Survey for the preparation of design and estimate for the Protestant Church at the Military Station at Wellington.

I have the honor to be,
Sir,
Your Most Obdt Servt
G. Marshall Major R.E.
for Secy to the Govt of India

Enclosures accompg

77

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 18th April 1884, No. 78.

In reply to Public Works Department G.O., No. 953 W., dated 7th April 1884, covering proceedings in the Ecclesiastical Department referring to the proposed church at Wellington, I have the honor to report that, in my humble opinion, no design which will effect a reduction in the estimate and at the same time present a fairly pleasing appearance can be prepared on the lines suggested by the Right Reverend the Bishop.

2. I beg to be allowed to enter a little fully into the points raised by His Lordship. The number of sittings for which provision is made was fixed by the Government of Madras, who, in their letter to the Government of India forwarding the first design (after giving good reasons for providing for 500 sittings), thus express themselves :—"Looking to other urgent demands His Excellency the Governor in Council is not in a position to provide so large a sum as would be required to build a church for this number (*i.e.*, 500) but is prepared to set aside a sum not exceeding Rs. 50,000." The Government of India, in replying to the above representation, express their inability to sanction so large an expenditure from the public funds as Rs. 50,000. Under these circumstances, is it of any practical use to think of accommodating in the church a larger number than 300? It is, however, possible in the building now designed to provide for some 500 persons as is shown by an arrangement of sittings drawn in blue on the plan. The edifice might also hereafter be enlarged by lengthening it for one or two bays at the west end and by adding to it north and south transepts, which, by taking up two bays of the nave, would be at least 20 feet wide. These additions might be so contrived as not, in my humble opinion, to materially injure the proportions of the edifice.

3. Ventilation was provided in the roofs of nave, chancel and aisles, but to meet His Lordship's wishes I have now provided additional apertures in other parts of the building, and arranged for the aisle windows to swing open on pivots. During the construction of the building, holes can also easily be left in the brick-walls just above the floor in such a way as to cause no direct draught. The clergyman's vestry will, when the work is carried out, be made larger, and every attention paid to His Lordship's desire for increased ventilation, &c.

4. I beg to be allowed to add a few observations on the reduction effected in the estimate. The reductions were alluded to not for the sake of an invidious comparison between my estimate and those of my predecessors, but in order to show that every effort had been made to meet the wishes of the Government of India that a reduction should be made in the cost of the building. The Ecclesiastical order states that "the proposed omission of the several items including the altar is not approved by Government;" but the seats, altar, chancel rails, pulpit and font already exist in the present barracks' church, and have only to be transferred to the new edifice when it is built. It seemed extravagant to estimate for new ones.

From the Reverend W. W. ELWES, Acting Bishop's Chaplain, to the Chief Secretary to Government, dated Kodaikanal, 24th April 1884, No. 329.

With reference to G.O., No. 61, Ecclesiastical, dated 22nd March 1884, I have the honor, by desire of the Right Reverend the Bishop, to state, for the information of Government, that the Wellington chaplaincy church committee have written as follows concerning the furniture now in use in the barrack-church at that station :—

"The supply of church furniture at present in use is very substantial and sufficiently good for the purpose. It was originally supplied with the understanding that it should be used in the church as soon as it was erected.

From the Venerable J. F. BROWNE, Archdeacon of Madras and Commissary, to the Chief Secretary to Government, dated Madras, 6th May 1884, No. 36.

I have the honor to acknowledge the receipt of your memorandum, No. 961, of 2nd May 1884, and am desired by the Bishop to say that he approves of the design for the proposed church at Wellington altered as indicated in the Consulting Architect's letter.

No. 1041, Ecclesiastical.

The revised plan is approved and returned to the Public Works Department.

OOTACAMUND,
14th May 1884.

(Signed) E. F. WEBSTER,
Chief Secretary.

ORDER—dated 23rd May 1884, No. 1299 W., Public Works.

Ordered that the sanction of the Government of India be requested to the estimate as now reduced.

(Here enter No. 1300 W., dated 23rd May 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
" Superintending Engineer, IV Circle.
" Ecclesiastical Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of Madras.
1884

PUBLIC WORKS.

Dated May, 23rd.

Encl.

Read.

G.O., 23rd May 1884, No. 1299 W.

MAY.

Church at Wellington

Ordered that the estimate, as reduced, for a — be forwarded for the sanction of the Government of India.

PUBLIC WORKS DEPARTMENT.

74

Buildings and Roads.
Civil Works.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

SIR,

MILITARY DEPARTMENT.

In your letter, No. 1124 M.W., dated 7th November 1883, it was stated that the Government of India, while admitting the need of a church at the military depôt of Wellington, were unable to sanction so large an expenditure as Rs. 50,000, the amount proposed by the Madras Government; and it was suggested that, unless private subscriptions were forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

2. As Wellington is inhabited exclusively by European troops, there is little prospect of raising funds by subscription. The design has therefore been modified so as to bring the cost down to Rs. 38,161. The estimate provides for nothing but what is considered really essential; and after careful consideration by all the authorities consulted, both ecclesiastical and professional, no further reduction can be suggested.

3. To the exceptional conditions which affect the rates for labor and materials on the Nílgiri plateau the comparatively high amount of the present estimate is mainly due. As contrasted, however, with the actual cost of construction of the two churches at the neighbouring station of Ootacamund, the estimate is moderate.

4. I am accordingly to forward the project to the Government of India, and to express a hope that the saving of Rs. 11,800 which has been effected will be regarded as the material reduction contemplated in your letter under acknowledgment.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
23rd May 1884.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS

Dated May, 23*rd*.

Recd. *Encl.*

23rd May 1884, No. 1300 W.

MAY.

Church at Wellington

Forwarding, for sanction, a reduced estimate for a —.

75

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th July 1884, No. 673 M.W.:—

In reply to your letter, No. 1300 W., dated 23rd May 1884,* I am directed to state that the Government of India now sanction the construction of the proposed church at Wellington at a cost not exceeding Rs. 38,161, the amount of the estimate now submitted.

* Enclosures returned.

2. I am, however, to say that the Governor-General in Council still considers the cost of the church very high, and would ask that the strictest attention to economy may be enjoined on the officer entrusted with the execution of the work.

3. It is observed that the estimate now submitted does not provide for the satisfactory completion of the building in all respects, but it must be understood that the Government of India will not be able to sanction hereafter any further expenditure of public funds for completing the building.

ORDER—dated 12th August 1884, No. 1977 W., Public Works.

The estimate, amounting to Rs. 38,161, for constructing a church at Wellington, is sanctioned.

2. Funds are not immediately available, but an appropriation will be made as early as practicable.

3. The attention of the Superintending Engineer, IV Circle, is drawn to the instructions of the Government of India relative to the exercise of the strictest economy in the execution of the work.

4. This sanction has been registered as Provincial No. 112 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
" Consulting Architect to Government.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Ecclesiastical Department.
" Military Department.

Exd. E. Fernandes.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1884] Madras

PUBLIC WORKS.

Dated August, 12th.

Recd. *Encl.*

G.O., 12th Aug. 1884, No. 1977 W.

AUGUST.

Church

Estimate of Rs. 38,161 *for a* — at Wellington, sanctioned.

30TH SEPTEMBER 1884, No. 2403 W., PUBLIC WORKS.

76

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 25th September 1884, No. 1050 :—

I have the honor to submit indents, in triplicate, for stores required from England for the Wellington church, sanctioned in G.O., No. 1977 W., dated 12th August 1884.

The corrugated iron obtainable here is not stout enough for first-class work, and the other articles indented for are not obtainable in the local market.

ORDER—dated 30th September 1884, No. 2403 W., Public Works.

Ordered that the indent be forwarded to the Home Government for compliance.

(Here enter No. $\frac{19}{2403\ W.}$, dated 30th September 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
" Superintending Engineer, IV Circle.
" " " V "
"

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated September, 22nd.

Read.

Encl.

G.O., 30th Sept. 1884, No. 2403 W.

SEPTEMBER.

Church at Wellington

Special indent for stores required for the new —, ordered to be forwarded to the Home Government.

77

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

We have the honor to forward, for favor of early compliance, a special indent for certain stores required for a new English church about to be constructed at Wellington.

We have the honor to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) M. E. GRANT DUFF.
(„) [redacted]
(„) C. G. MASTER.

OOTACAMUND,
30th September 1884.

Ex'd. F. Fernandez.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

LETTER to the Right Honorable the Secretary of State for India.

No. 19 / 2403 W., dated 30th Sept. 1884.

Church at Wellington

Forwarding special indent for stores required for a new church at Wellington.

This may be approved.
W. O'Shaughnessy came to see me at Madras on 20th, but did not mention the subject of this Contract

26.12.84

79

Office engaged as
per contract 12th January 1883.

Major A.C. Smith R.E.
Executive Engineer Phase
Portsmouth

Sir,

I beg to acknowledge the receipt
of your letter No. 886. dated 2nd
Inst. and to thank you for the
Consideration you have given to
my representations in connection
with the Contract for the Construc-
tion of the Church at Wellington
I have delayed the submission of
the revised Tender which I intended
to send as I intend to leave here
tomorrow for Madras with a
view to see the Chief Engineer

in the happy possibility by his
Assistance until temporary em-
=ployment in the R.W. or
by the Establishment of
fair rate of Employment
I will undertake the Construction
of the Wellington & the
Manawatu Railway, called Tenders
for, until he is able to arrive at
an Estimate of the Cost
of this Railway by Surveying
other Engineers for the work
until I am the Chief Engineer
I will write to Telegraph to=
Mr Jones Madison on Tuesday
or Wednesday next, in order to
I remain Sir
Your most Obedient
Servant
F Dankynsky

No 477

Forwarded to the Superintendent
Enquiry for information & explana-
tion of delay in matter of Wellington
Railway Contract

Alexander Chapman
Engineer
13/12/86

No 558
S/W

Supg: Engineer's office IV Circle
Coimbatore, 20th December 1864

From,

The Superintending Engineer
IV Circle
S/W

To,

The Chief Engineer
P.W. Departt.

Sir,

I have the honor to inform you that the only tenders received for the construction of the Church at Wellington were those of Messrs Groves & Co of Coonoor & Mr. O'Shaughnessy of Ootacamund.

Enclosure 1
Letter from Mr
O'Shaughnessy

2 The Estimate sanctioned, including Contingencies and Superintendence, was Rs 38161; but this Department is to supply certain materials — bricks, iron and felt for the roof, cresting and terminals, &c, so that the work to be done by a Contractor was estimated at Rs 32,134. For this Messrs Groves tendered Rs 32,685 while

while Mr. O'Shaughnessy tendered Rs 27,235. As we have had no experience of Mr. O'Shaughnessy as a contractor, and his offer was so much below that of Messrs Groves, it was decided to give him a trial; and he was informed his offer for the Church had been accepted.

3. But he has not yet signed the agreement, and it appears by the accompanying letter that he is not prepared to carry out the work according to his tender but may (under certain circumstances) submit a revised tender for doing the work at the estimated rates.

4. The general result is that valuable time is being lost at the best part of the working season. I have therefore authorized the Executive Engineer to inform Mr. O'Shaughnessy that as he does not adhere to his original offer, the tender of Messrs Groves will now be accepted and an agreement entered into with them to build the Church. If you object to my action in the matter, please telegraph.

I have the honor to be
Sir
Your Most obt servant

P. Beatty - Colonel R.E
Supg: Engineer V Circle

Ep. 1 2403 Way 30-4-84
Dep: 19 / 2405 Way 00
Ep. 1 1977 W ay 12-8-84
" 1300 Way 23-5-84
" 1299 W ay 00-

From.
The Supt Engr.
IV. Circle

No 558
Sir
Dated 20 Decr 84.

Enclosed.

Wellington Church.

Recommending the Contract of ——— being given to Messrs Groves & Co for reasons stated therein

S. E. IV Circle
6
2
2/1/85

With order

Dy Engr ——
CE
14-2-85

Current No.
Letter No.
Dated the
From the S.E. IV

NOTE OF REMARKS.

I have examined the accounts and connected vouchers of the work executed by Messrs Groves & Co of Lower Wellington Church and am submitting the same for reference to E.W. Circle for the acceptance of this tender approved.

2. The amount of the estimate for the church is entered in G.O. No 1977 W of the 12th August 84, viz Rs 32,35,01. — The estimated value of that portion of the work proposed to be carried out now under this tender is Rs 32,35 which is the amount provided in it for it Rs 32,385 — this tender

IV/Circle

D. P. W.

Nilgiri Division

Report of Contract exceeding Rs 500 Each entered into by the Executive Engineer Nilgiri Division.

Name of work.	Amount of Estimate	Nature and amount of Security offered	Penalty fixed for breach of Contract	Time within which the work is to be executed	Mode in which tenders were invited	Name of Contractor	Remarks.
Constructing a Protestant Church at Wellington.	32134-	10 per cent from all payments to be for-feited to form a guarantee fund.	Forfeiture of the guarantee fund.	20 March 1886.	Tenders Called for in the Nilgiri District Gazette and S. I. Observer Resp.	Mr. Gibson Lowest Tender	Tender accepted vide Government Sanction No. 94 dated 1st Dec 1885 at 11% above Estimate Rs 35838 The Ornaments Rs 1250 Cents. To pay for labour & stones vide Estimate.

Contract entered into on 1st February 1886

No. 546

Enclosures 1 Bond
1 Schedule
1 Condition
1 Specification
& plans

To The Superintending Engineer Fourth circle

D. S. Aldcroft Major R.E.
Executive Engineer Nilgiri D.

98.Bl.

The Contract is approved.

LL. 14.2.85

CA. 16.2.85

No 59
Sir,

Submitted to the Chief Engineer S.E. III for sanction with reference to his Memorandum No: 1 of 2nd January 1885.

No: 1 C dy 2-1-85
G.O. No. 12/2403 W dy 30-4-84
" " 2403 W dy do
" " 1977 W dy 12-8-84
" " 1300 W dy 23-5-84
" " 1299 W dy do

L. Beatty - Col; R.E.
Supg. Engineer 4th circle
7th February 1885

Enc: 6

S.E. III Circle
with 6 enclos:

with order

Sir,

The Plans Estimates & Contract in this case are returned herewith for favour of submission to the Chief Engineer S.E. III Circle.

Yours obedt Servt

Wellington Church

N.B. [illegible]
Mr. Reid's Report
to be submitted
[illegible]

87

[illegible]

11/9/82

S.A.W.
For note in connection
with the letters which
I have drafted.

R.S. 11/9

To Dec 88

Journal

Cu

15 79

9

GOVT. OF MADRAS. } 188 . { P. W. DEPT.

SECRETARY.

Chepauk, 7th Sept 1883.

OFFICE NOTE.

29

To W.

Seating in Churches

The Estimate has been checked & found correct. 300 sittings are provided. Floor space is 3,473½ Sft. 60 Sft. per sitting is the allowable space, so that passages, chancel, organ &c, occupy 1673½ Sft. On the space provided of ½ the rule — in this case 3473½ S.ft. a building may be erected which will cost 25% more than the cost of ordinary single storied building of the station.

Here the Hospital at Ellington is such a building & it cost Rs. 5 per superficial foot. If we apply the rule, according the Hospital as the example to be taken, we have Rs. 3473½ × 6½ = Rs 21,709 as the limit of Government grant.

If we take however St Thomas' Church (which cost Rs. 13 per superfcl ft) as the example we would have Rs. 3473½ × 13 = = Rs. 45,155 as the grant.

Note 29 Recd 15-9-83.

If the Code rule be strictly adhered to we shall have to take the Wellington Hospital, I fear, as the "adjoining single storied building" from which the rule is to be calculated, in which case our churches will cost more than double the possible grant.

The clause 1249 of Code referred to by Com does not bear on the question as that para deals only with & does not apply to habitation churches the scale of sittings for which must be based on paras 1245 & 1246 — but it is clear from para 1252 that G. of S's approval must be obtained, even accepting the St Thomas' church rate as the basis of our Estimate.

To cut the design down to Rs 45000. would I fear mar it considerably.

To bring the Estimate down to the legitimate total limit of Rs. 21,709 the design would have to be abandoned altogether.

CJ.

7/9

9

Memo

The Estimate must be checked in the technical branches, and with reference to paras 1245 ... 48 the number of sittings & allowable cost will have to be moved

This I think can done by one in our office. Each it many or will be necessary

Cpie

The cost per sitting both of below it with advice to compare with that of St Thomas' church and possibly one or two of the last buildings obtained

It is not clear to me whether as the cost is very much in excess of the scale given in para 1245 such excess cannot permit be 300

Page 1249 does not appear to be missing. Chronological order has been observed.

Literally it will not be necessary to have the formal approval of the G of I this will be from Provincial Funds

Sec C; Question on this point could be asked

If this Government can sanction the Provincial Govt. will be desirable to give the earliest possible information to Executive Engineer of materials and after consulting the SE make a definite assignment to the current year; from Rs 15,000 to 20,000 it will be about. I could take 2 the rest must come from Rs-85

Should the Estimate have to go to the G of I it will suffice to take in Revised Estimate year Rs 10,000

Petit
30/9/83

91

Public Works Department, 1883-84.

Current No. _____

Letter No. _____

Dated the _____

From the _____

NOTE OF REMARKS.

1. The plan and estimate for the construction of Culvert at Kallingon Cascade submitted, are in correct form - method, and in accordance to the estimate amounts to Rs. 49,950. The Culvert provides for 300 cu. ft. discharge.

2. Considering the nature of the structure it is proposed to erect, the specification should give more ample information on the various items of work there set down. The estimate total cost would be more clear had a little more care been taken in specifying the items. It is however correct. The examination of the plan shows a want of figures to give the various dimensions at once and to enable the estimate to be readily checked. The plan is well and correctly drawn.

3. The advantage of this work will accrue with those land lying on the Kallingon but a portion of the cost should be borne by the common expenditure

Dy. E.

Taking St. Thomas'
Church as a precedent
we get a grant equal
to - (34'/3½ x 13)Rs or Rs. 45,155.
The rate for St. Thomas' is
Rs. 13 per sq. ft.
The rate given is that
for 1879

97

BSH

T.

Has the Estimate been checked – (1) arithmetically – (2) according to plans, if measurements in detailed Estimate verified – (3) rates tested. ?

Clf.
5/7

Public Works Department, 188 -8 .

Current No. _____

Letter No. _____

Dated the _____

From the _____

Note or Remarks.

1. The accompanying plans and estimate provide for the construction of a Hospital at Wellington. The estimate amounts to Rs. 29760.

2. My directed by Government Rates have been provided for flooring.

3. The cost of the Hospital at Wellington is – Rs. 5 per sq. ft. taking therein the area available in the Wards (excluding space occupied by walls &c) to be represented by the flooring – 34732 sq. ft. – the allowable grant equals – (34732 x 6¼) Rs. or Rs. 21709-6-0.

5-12-83 Clf
Est

S. a. W.

To await Mr Rea's design for chancel — AS 3/6

94

GOVT. OF MADRAS. } 188 . { P.W. DEPT.

SECRETARY.

CHETAUL. 188 .

OFFICE NOTE.

To W. Wellington Church.

I have gone into the subject of the contraction of Mr Chisholm's design with the following results. I have also discussed it with Mr Rea. —

I assumed the number of sittings in Mr Chisholm's design to be 540 & this number to be cut down to 240. The 28 choristers stalls in the chancel do not affect the question as I presume they will be common to both designs. —

The following reductions in dimensions seem feasible —

Bringing in transept gable ends 4'6" about each side.

This will give a reduction in seats of ——— 40

lowering transept to 1'9" c.c. reducing width from 21'3" to 19'6".

This could give a reduction in seats of ——— 18

Shortening lengths of nave & side aisles one bay or 12 ft.

Will give a reduction of — 64

lowering nave 3 ft. that is from 24' to 21'.

Will give a reduction of — 38

lowering each side aisle 1 ft. that is from 11'6" to 10'.

Will give a reduction of — 30

Total reductions of seats – 190
This leaves 350 seats, and it does not seem practicable to reduce the accommodation further whilst adhering to Mr Chisholm's general lines & features.

It is impossible to say without an estimate how far the above proposals would reduce the Estimate, but certainly not from 94000 to 55000. To effect a saving of 39000 in the design radical alterations would be necessary.–

With that idea I have to propose the following changes & effect a saving, in addition to the contraction of dimension.

The omission of granite coating to Chancel. Omission of flying buttresses.

Reduction of width of chancel from 18' to 17'.

Reduction of length of chancel by 5ft.

Reduction of organ room from 15'6" × 12' to 13'6" × 11.

Reduction of granite vaulting of future tower from 12' × 12' to 10' × 10'.

Omission of porch left side on nave & making it from 10'6" to 3'.

Omission of carriage portico per the present. If the church is to be enlarged hereafter by lengthening it this is important.

Reduction in height of side aisles by 1'6" & of nave, transept & chancel in proportion. This is entailed by the proposed reduction in width, but it will also save something.

The only other reduction that

SECRETARY.

CHEPAUK, 188 .

OFFICE NOTE.

95

To the Work the omissions – such as omission of passage round the chancel – but above will perhaps suffice.

Of course all this may be looked upon as reckless mutilation of an excellent design. My proposals are only made because the accommodation must be reduced & a big saving must be effected on the Estimate of 94000.

Perhaps the Architect, if limited to 300 sittings & Rs. 55000, could adopt altogether different lines. An entirely different arrangement might commend itself. That point I have not gone into.

The new Plan & Estimate can be framed by the Consulting Architect when decided on.

Perhaps the quantities & cost saved by above last letter be taken out by him before final decision.

C Chivers.

25/5.

Go 2610 P.W
15 9br 63

B
Ecclesiastical Dept

No 2610 P.W. Department

Proceedings of the Madras Government
under date the
15th September 1863

96

Ordered that the
estimate amounting to Rs
49,960 for constructing a
Church at the Military
Depot of Wellington be for-
warded to the Government
of India for sanction.

M.E. No 2611 W. 15 Sept. 63

To
The Secy. to the Govt. of
India, P.W. Dept

Dr 30 Jan 1864

Supdg. Engr. Fourth Circle
Military Department
Eccles. Department

Sir,
The want of a church
at the Military Depot of

for whom church services have
have to be provided at
Wellington is larger than
that of any other Madras
Chaplain's station, except
-ing Trimalgherry and the
Trinity District of Bangalo
The last returns show that
there are between seven
and eight hundred men
at the Depôt of whom
are entered as belonging to
the Church of England.
There are in addition the
usual complement of
women and children.

4. Looking to other
urgent demands, H.E. the
Governor in Council is not
in a position to provide as
large a sum as would be
required to build a church
for this number - but is
prepared to set aside a
sum not exceeding Rs 5000
a design curtailed to this
limit has accordingly been
drawn up under instructio
of the Chief Engineer and
is herewith submitted for
the general approval of

Wellington has long been
felt. It has not however
yet been provided for,
owing to financial and
other considerations. The
Rt. Revd the Bishop
has now reopened the
question, after consultation
with the Military author-
-ities, and presses for early
sanction to improved ar-
-rangements for conduct-
-ing the services of the
Church in a suitable
manner.

2. The place at present
in use is a long upstair
barrack room on one side
of the quadrangle, which
can ill be spared from
its legitimate use of housing
the troops, and is moreover
not well adapted for a
church services owing to
noise and disturbance
inseparable from its
surroundings.

3. It is represented
that the number of troops

the Government of India which seems to be necessary under P.W. Code rules notwithstanding that the work will be carried out from Provincial funds.

5. Provision is made for 300 sittings. The floor space occupies 3473½ Sq. ft, of which 1800 Sq. fet would be taken up for sittings at the authorized scale of 6 Sq. ft. per sitting; leaving 1673½ Sq. ft. for passages, Chancel, Organ, &c. The Hospital at Wellington, which cost Rs 5 per Sq. ft. may be taken as a typical example for calculation of the Government grant admissible in the case of the church - and the grant under P.W. Code rules would thus amount to

$3473\frac{1}{2} \times 6\frac{1}{4}$ = Rs 21,709. Judging, however, by church construction at the neighbouring station of Ootacamund, the cost to be allowed for

per square foot would be more like Rs 13/. This was the actual cost at which St. Thomas' church at this station was built. Calculating on this basis, the Government grant for the Wellington church would amount to Rs

$3473\frac{1}{2} \times 13$ = Rs 45,155.

6. The estimate, as actually drawn up, amounts to Rs 49,960 which is slightly in excess of the relative cost of St. Thomas church. After much careful scrutiny of details it is found that the amount cannot be reduced; unless indeed an ordinary building, without regard to Ecclesiastical architecture, be provided for. The present design cannot be considered as otherwise than a neat but plain church with as little pretention as possible to the

distinctive character of a sacred edifice.

7. N.E. the Governor in Council is prepared to assign a sum of Rs 10,000 from Provincial Funds during the Current Official year on receiving the approval of the Government of India to the plans and Estimates hereinto forwarded.

Attn.

12.5.83

Dey (w) with 2 Encls

RB

919

GOVERNMENT OF MADRAS.

ECCLESIASTICAL DEPARTMENT.

READ—again the following paper:—

G.O., dated 1st December 1883, Mis. No. 240, Ecclesiastical.

Read—the following G.O., dated 22nd November 1883, No. 3323-W., Public Works:—

Read—the following letter from the Secretary to the Government of India, Military department, to the Secretary to the Government of Madras, Public Works department, dated Simla, 7th November 1883, No. 1124 M.W.:—

In reply to your letter, No. 2611-W., dated 15th September 1883, I am directed to state, for the information of His Excellency the Governor in Council, that while admitting the need of a church at the Military depôt of Wellington, the Government of India regret that they are unable to sanction so large an expenditure of public funds as that proposed for the construction of a church to contain 300 sittings. Unless, therefore, private subscriptions to a considerable amount are forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

The enclosures of your letter are returned herewith.

Order—dated 22nd November 1883, No. 3323-W., Public Works.

Communicated, with reference to Proceedings of Government, No. 2610-W., dated 15th September 1883, to the Military department, for the information of His Excellency the Commander-in-Chief.

2. The papers will be forwarded to the Consulting Architect to Government, who will submit a revised plan and estimate, reducing the cost as nearly as possible to the limit fixed by paragraph 1248 of the Public Works Code.

(True Extract.)

(Signed) C. BOWEN, Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Military department.
" Superintending Engineer, IV Circle.
" Ecclesiastical department.
" Consulting Architect to Government, with plan and estimate, and copy of Proceedings, Nos. 2610-11 W., dated 15th September 1883.

Order—dated 1st December 1883, Mis. No. 240, Ecclesiastical.

Communicated to the Venerable the Archdeacon, in continuation of G.O., No. 198, 1st October last.

(True Extract.)

(Signed) C. G. MASTER,
Chief Secretary.

To the Venerable the Archdeacon, with plan and estimate.

READ—also the following papers:—

From the Venerable G. WARLOW, Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 19th December 1883, No. 944.

I have the honor to acknowledge the receipt of G.O., dated 22nd November 1883, No. 3323-W., Public Works, with reference to the proposal to build a Military church at Wellington.

2. His Lordship the Bishop concurs with me in thinking that it would be a great pity if this scheme were postponed; for the want of a church is very urgent, and the present state of things should give place to something better with as little delay as possible.

3. It would appear that the Government of India are not aware of the great cost of building on the Nilgiri Hills. The cost is more than double (as I am informed) that of building on the plains. Bearing this in mind, the outlay for the proposed church would not be excessive. The conditions under which it would be built are exceptional, and I trust that the Madras Government may be willing to refer the matter for reconsideration by the Government of India, with a statement of the relative cost of material and workmanship on the plains and on the hills, so as to fully justify the apparently large outlay.

4. As Wellington is inhabited exclusively by European troops, it is out of the question to solicit private subscriptions. Neither officers nor soldiers will contribute to building a Garrison church. They consider that they have a claim to be provided with a suitable place of worship, without any demand being made on their private means.

No. 252-C.

MEMORANDUM.

With reference to Proceedings of Government, No. 3323-W., dated 22nd November 1883, the undersigned has the honor to forward, for the opinion of the Right Reverend the Bishop, a plan, prepared by Major Morant, R.E., Officiating Consulting Architect to Government, for a church at Wellington, estimated to cost Rs. 38,161, as compared with Rs. 49,961, the estimated cost of the design previously prepared, and objected to by the Government of India as too expensive.

2. A comparative statement is also forwarded, showing how the saving, Rupees 11,800, has been arrived at.

3. It will be seen that this saving has been effected mainly by the omission of the following essential items:—

	Rs.
Flooring	1,042
Chancel railing	150
Pulpit	600
Font	400
Altar and screen	1,000
Benches	3,230
Lightning conductor	100
Architect's fees for previous design	733
Proportionate contingencies	326
Total	7,586

and that the real reduction in cost will amount to only about Rs. 4,000.

4. The omitted items might, however, be allowed to stand over for the present, and the Government of India will perhaps accept the Rs. 11,800 as the "material reduction" ordered.

5. But it must be pointed out that it will be impossible to *complete* the church at any figure much below the amount of the first estimate, Rs. 49,961, without sacrificing all pretension to architectural design.

CHEPAUK, *4th February* 1884. (Signed) J. SHAW-STEWART, Col., R.E., *Secy. to Govt., P.W.D.*

To the Ecclesiastical department, with papers in original.

ENCLOSURE.

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works department, dated Chepauk, 22nd January 1884, No. 1405.

1 Tracing.
1 Detailed estimate and specification.
1 Duplicate abstract.

With reference to Public Works G.O., No. 3323-W, dated 22nd November 1883, and your office note, No. 2747-D, of 22nd December 1883, stating "the design is approved," I have the honor to submit detailed plans and an estimate of that approved design for a church at Wellington.

2. The 2 designs previously submitted by this office were estimated to cost Rs. 94,000 and Rs. 50,000, respectively. The plans of the church now submitted were prepared by me 10 years ago when I was Executive Engineer, Nilgiris. They will cost Rs. 38,161.

3. Paragraph 1,248 of the Public Works Code states "that to the superficial" area "(of proposed church)" may be applied a rate per superficial foot 25 per cent. in excess of that which prevails at the station for ordinary single-storied buildings. The result will represent the Government grant. All the barrack buildings at Wellington (except out-houses) are double storied, it being a hill sanitarium some 6,000 feet above sea-level. The above directed comparison or calculation cannot therefore be made. But to show that the estimated cost of the present design is not excessive, I may state that 2 churches have been erected on the Nilgiris within the last 20 years. Applying their rates to the total superficial area of the present proposal, the cost would be Rs. 45,000 and Rs. 55,000 much in excess of what the submitted design can be erected for, viz., Rs. 38,161.

4. Every effort has been made to keep down the cost of the building as the following description of the design will show:—

The Wellington church will be built on a stiff gravelly soil needing no special foundations. Foundations will be of good table-moulded bricks laid in mortar. The basement and walls will be also of best table-moulded bricks laid in mortar. The basement will appear higher outside than inside the building, it rising 2 feet above the ground outside, while the floor is 1 foot above the ground. (The ground is dry and on the apex of an elevation). The building will be of pointed brickwork outside, and the interior will be left (for the present) rough, so that it may be treated hereafter in any way that private funds may admit of. The pillars of nave, &c., will be entirely of cut-stone tooled fairly smooth. The jambs (and mullions of such windows as have them) will be of best gauged and moulded brick. The window frames will be of teakwood glazed (for the present) with common glass. The doors will be similarly treated except the 3 main external doors which will have stone pillars as shown on the plans. The copings of the gabels, the small hoodings round the doors and window arches, the truss brackets and the external drip stones at gable valleys will be of cut-stone. The belfry will be entirely of moulded brick. The roofs will be of teakwood, covered with corrugated iron laid on thin planks with felt between the planks and iron. Plenty of ridge ventilation is provided. The cresting will be of iron, the valleys being fitted with sheet lead. The roof drainage from upper roof over nave will flow through cut-stone cups laid in the tops of the flying buttresses on to aisle roofs, where it will pass off in the usual way. The floors will for the present be only of beaten mud and brick rubbish to be treated hereafter at pleasure from private funds. The seats are to be provided from the present temporary barrack-room church.

From the Rev. W. W. ELWES, Acting Bishop's Chaplain, to the Chief Secretary to Government, dated Madras, 15th March 1884, No. 317.

I have the honor, by desire of the Right Reverend the Bishop, to forward, enclosed, his observations on the proposed design for a church at Wellington, the plans of which were forwarded to him with your reference No. 461, dated 29th February 1884.

ENCLOSURE.

Observations on the proposed design for a Church at Wellington.

I. This design is very pleasing to the eye.

II. It appears calculated to hold about 300 people. This is a very low computation for such a station as Wellington. And the form of the church is such that it will not admit of enlargement, either by lengthening or by throwing out transepts, without injuring the proportions of the edifice. If the design is adopted it will always be necessary to have two parade services and the church-goers in the station will never be able to assemble altogether for worship.

The alternative would be to build a broader church, consisting of a chancel and short nave holding about the same number as the proposed church, but with the prospect of lengthening the nave at a future time.

III. There does not appear to be provision for sufficient ventilation. There are in some parts of the year at Wellington days when the atmosphere is stagnant and much ventilation is needed. Bearing in mind that the church will generally be filled, I think that the lower windows are not sufficient to keep pure the lower atmosphere within the church, and to prevent the feeling of suffocation among the female portion of the congregation. There ought to be in each lower window a few square feet, at least 4, which could be opened or closed according to circumstances.

IV. The number of steps between the nave and the east end is unnecessary and, in my judgment, undesirable. Three, or at the most four, is quite sufficient. There should be no raised portion of the floor within the rails. The holy table (which ought to be of moderate dimensions) should be so placed that a clergyman celebrating at the north side of the table can do so conveniently.

V. The bottom of the chancel windows appears to be so high as to afford little ventilation for the clergyman officiating.

VI. The clergyman's vestry is too small, it ought to be 10 feet by 8 feet.

MADRAS,
15*th March* 1884.

(Signed) F. MADRAS.

ORDER—dated 22nd March 1884, No. 61, Ecclesiastical.

Referred to the Public Works department for revision of the plan.

2. The proposed omission of the several items, including the altar mentioned in the 3rd paragraph of the endorsement in the Public Works department, is not approved by Government in the Ecclesiastical department.

(True Extract.)

Chief Secretary.

To the Public Works department, with note and plan and estimates returned.
Copy to the Bishop's Chaplain.
" " Venerable the Archdeacon.

Exd. W. H. French.

102

Rect. 2886

Govt. of {1884} Madras.

ECCLESIASTICAL.

S.N.C.

Issued

Read. 31/3/84. Encl. 5 (4 Plans & 1 Estimate)

G.O., 22nd March 1884, No. 61.

No: 953 W dy 7th April 1884

MARCH.

Church at Wellington.

Referring certain papers to the Public Works department for revision of the plan for a —.

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Proceedings of Govt. Ecclt. Department. (Ecc. No: 61 dy 22nd March 1884)

187

Communicated to the Consulting Architect to Government, who will revise the design in accordance with the remarks by the Right Reverend the Bishop. ~~the Collector and Agent.~~

2. The omission of essential items in the construction of a Church is not approved, and the revised design should provide for such requirements. The

matter should be
taken in hand ~~be~~
~~prosecuted by Major~~ without delay
~~Bourchier~~, and more
intelligent and careful
proposals framed.

Subservient to G.O. 22nd March 1864

C.E. to work with
enclosures.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Pro in the Ecclesiastical Dept. } H.E. No. 61-d/ 22nd March 1864

104

Communicated to the Comg Architect to Government who will report without delay whether he can prepare a design on the lines suggested by the Right Reverend the Bishop which will effect a reduction in the Estimate

W. 5-4-64

To The Comg Architect & Chief Engr. with Enclosure

To W.

Wellington Councils.

205

C.A. replies to your communication of 5.4.84 inquiring whether he can prepare a design on the lines suggested in the Eccl.tal Dep.t & effect a reduction in the Estimate.

The mission of the several items specially referred to was purposely made, the object being to bring down the Estimate to a limit related to the sanctioned by the Govt of India. This must not be forgotten. and it was believed that furniture was available from the barrack Churches or rooms used as such.

On the latter point perhaps Mr Lawrence might be asked to see & report what furniture suitable for requirements is actually now on hand.

Major Servant has not touched on the matter of the steps alluded to in para W of His Lordships note, but their number & Cost can easily be decided if sanction be given to the Estimate. The cost will not be affected to any appreciable extent by an alteration such as that proposed.

Perhaps if Major Servant's Report be now laid upon the authorities in the Ecclesiastical Dep.t, they will consent to the design & Estimate being sent forward as they stand.

The main thing is to obtain the Govt of India's consent to the undertaking.

Ch. O

C.A.H.

Major Moran's letter may be sent to Ecclesiastical Dept. with advertence to Rpt: dated 22-3-84 W. 61. and with the remark that most of the objections taken to the design appear to have been satisfactorily met & explained.

Also adding, as already pointed out in memo: dated 4.2.84, that owing to the high cost of building on the hillspits, it is considered in this Dept. to be impossible to construct a suitable Church at Wellington at any figure much below the amount of the first estimate, without sacrificing all pretension to architectural design.

Please draft disposal to above effect

Also a reply to the A. M. S.'s letter dated 21-4-84 - in linked file.

25-4-84

126

No 44 Ed/ April 24. 1884

P.W. Department

Letter from the Consulting Architect to Government
No 78 dated 18 April 1884.

107

Transferred to the

Ecclesiastical Department

with advertence to Proceed-

-ings in that Department

dated 22d March /84 No 61,

and with remark that

most of the objections

taken to the design appear

to have been satisfactorily

met and explained.

2. Owing to the high

cost of building on the
Algiers, as already point
-ed out in Memorandum
No 252 C dated 4th February
ult, it is considered in
this department to be im-
possible to construct a
suitable Church at
Wellington at any figure
much below the amount
of the first estimate,
without sacrificing all
pretension to Architectural
design.

24·4·84

To The Ecclesiastical dept.
with letter & papers in original

Church
Wellington

QUARTERMASTER-GENERAL'S OFFICE,
Otacamund,
21st April 1884.

No. 3018. 108

From

THE QUARTERMASTER-GENERAL,

To

THE SECRETARY TO GOVERNMENT,
Public Works Department.

SIR,

With reference to para 2 of O. G. No 3323 W, dated 22d November 1883, relative to the submission of a revised plan and Estimate for the construction of a church at the Depot Wellington by the Government Architect, I have the honor to request you will be so good as to inform me for the information of His Excellency the Commander-in-Chief whether this has been already done, and when the plan may be expected.

I have the honor to be,
Sir,
Your obedient Servant,
Millward Brigt Genl
Quarter Master General

Public Works
~~Military~~ (1884) Department.

C No. called for 24/4/84

From

THE QUARTERMASTER-GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

22 APR 84

No. 3018.

Dated 21st April.
Recd.

No 45 Ed April 24 1884

ENCLOSURES.

Requesting to be informed whether the Govt Architect has submitted a revised plan & Estimate for the construction of a Church at the Depot Wellington, and when the plan may be expected.

C. A. W.

Please let me have full information on this subject in time for next Council.

W
22.4.84

~~Write Braddon, 22 4 84~~

I & W / The papers have come up by this evening's post.

RS
22.4.84.

110

No 45 Ed/ April 24. 1884

P.W. Department

Memo.

The undersigned is directed to inform the Quarter Master General, in reply to his letter No 3018 d/ 21st April /84, that a revised plan and estimate for the construction of a Church at Wellington were prepared by the Consulting Architect, and laid before Government in the Ecclesiastical Dept. The orders thereon in that

department are contained

in Proceedings of the 22d

March/84 No. 61 copy of which

is attached for reference.

2. These Proceedings have

since been replied to by the

Consulting Architect in a

communication which is now

before the Ecclesiastical

department.

No. 45 Edy April 24. 1884

24.4.84

W

To

The Dr. Pub. Genl. dupd 24/4

117

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 18th April 1884, No. 78.

In reply to Public Works Department G.O., No. 953 W., dated 7th April 1884, covering proceedings in the Ecclesiastical Department referring to the proposed church at Wellington, I have the honor to report that, in my humble opinion, no design which will effect a reduction in the estimate and at the same time present a fairly pleasing appearance can be prepared on the lines suggested by the Right Reverend the Bishop.

2. I beg to be allowed to enter a little fully into the points raised by His Lordship. The number of sittings for which provision is made was fixed by the Government of Madras, who, in their letter to the Government of India forwarding the first design (after giving good reasons for providing for 500 sittings), thus express themselves :—"Looking to other urgent demands His Excellency the Governor in Council is not in a position to provide so large a sum as would be required to build a church for this number (*i.e.*, 500) but is prepared to set aside a sum not exceeding Rs. 50,000." The Government of India, in replying to the above representation, express their inability to sanction so large an expenditure from the public funds as Rs. 50,000. Under these circumstances, is it of any practical use to think of accommodating in the church a larger number than 300? It is, however, possible in the building now designed to provide for some 500 persons as is shown by an arrangement of sittings drawn in blue on the plan. The edifice might also hereafter be enlarged by lengthening it for one or two bays at the west end and by adding to it north and south transepts, which, by taking up two bays of the nave, would be at least 20 feet wide. These additions might be so contrived as not, in my humble opinion, to materially injure the proportions of the edifice.

3. Ventilation was provided in the roofs of nave, chancel and aisles, but to meet His Lordship's wishes I have now provided additional apertures in other parts of the building, and arranged for the aisle windows to swing open on pivots. During the construction of the building, holes can also easily be left in the brick-walls just above the floor in such a way as to cause no direct draught. The clergyman's vestry will, when the work is carried out, be made larger, and every attention paid to His Lordship's desire for increased ventilation, &c.

4. I beg to be allowed to add a few observations on the reduction effected in the estimate. The reductions were alluded to not for the sake of an invidious comparison between my estimate and those of my predecessors, but in order to show that every effort had been made to meet the wishes of the Government of India that a reduction should be made in the cost of the building. The Ecclesiastical order states that "the proposed omission of the several items including the altar is not approved by Government;" but the seats, altar, chancel rails, pulpit and font already exist in the present barracks' church, and have only to be transferred to the new edifice when it is built. It seemed extravagant to estimate for new ones.

From the Reverend W. W. ELWES, Acting Bishop's Chaplain, to the Chief Secretary to Government, dated Kodaikanal, 24th April 1884, No. 329.

With reference to G.O., No. 61, Ecclesiastical, dated 22nd March 1884, I have the honor, by desire of the Right Reverend the Bishop, to state, for the information of Government, that the Wellington chaplaincy church committee have written as follows concerning the furniture now in use in the barrack-church at that station :—

"The supply of church furniture at present in use is very substantial and sufficiently good for the purpose. It was originally supplied with the understanding that it should be used in the church as soon as it was erected.

From the Venerable J. F. BROWNE, Archdeacon of Madras and Commissary, to the Chief Secretary to Government, dated Madras, 6th May 1884, No. 36.

I have the honor to acknowledge the receipt of your memorandum, No. 961, of 2nd May 1884, and am desired by the Bishop to say that he approves of the design for the proposed church at Wellington altered as indicated in the Consulting Architect's letter.

No. 1041, Ecclesiastical.

The revised plan is approved and returned to the Public Works Department.

OOTACAMUND,
14th May 1884. (Signed) E. F. WEBSTER,
Chief Secretary.

ORDER—dated 23rd May 1884, No. 1299 W., Public Works.

Ordered that the sanction of the Government of India be requested to the estimate as now reduced.

(Here enter No. 1300 W., dated 23rd May 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
" Superintending Engineer, IV Circle.
" Ecclesiastical Department.

Exd. E. Fernandez.
Spare Copies

113

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 23rd.

Encl.

Read.

G.O., 23rd May 1884, No. 1299 W.

MAY.

Church at Wellington

Ordered that the estimate, as reduced, for a ← be forwarded for the sanction of the Government of India.

1124

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

MILITARY DEPARTMENT.

SIR,

In your letter, No. 1124 M.W., dated 7th November 1883, it was stated that the Government of India, while admitting the need of a church at the military depôt of Wellington, were unable to sanction so large an expenditure as Rs. 50,000, the amount proposed by the Madras Government; and it was suggested that, unless private subscriptions were forthcoming, the design should be revised with a view to effecting a material reduction of the cost.

2. As Wellington is inhabited exclusively by European troops, there is little prospect of raising funds by subscription. The design has therefore been modified so as to bring the cost down to Rs. 38,161. The estimate provides for nothing but what is considered really essential; and after careful consideration by all the authorities consulted, both ecclesiastical and professional, no further reduction can be suggested.

3. To the exceptional conditions which affect the rates for labor and materials on the Nílgiri plateau the comparatively high amount of the present estimate is mainly due. As contrasted, however, with the actual cost of construction of the two churches at the neighbouring station of Ootacamund, the estimate is moderate.

4. I am accordingly to forward the project to the Government of India, and to express a hope that the saving of Rs. 11,800 which has been effected will be regarded as the material reduction contemplated in your letter under acknowledgment.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
23rd May 1884.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS

Dated May, 23rd.

Encl.

Recd.

23rd May 1884, No. 1300 W.

MAY.

Church at Wellington

Forwarding, for sanction, a reduced estimate for a —

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads
Civil Works.

READ—the following letter from Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th July 1884, No. 673 M.W.:—

In reply to your letter, No. 1300 W., dated 23rd May 1884,* I am directed to state that the Government of India now sanction the construction of the proposed church at Wellington at a cost not exceeding Rs. 38,161, the amount of the estimate now submitted.

* Enclosures returned.

2. I am, however, to say that the Governor-General in Council still considers the cost of the church very high, and would ask that the strictest attention to economy may be enjoined on the officer entrusted with the execution of the work.

3. It is observed that the estimate now submitted does not provide for the satisfactory completion of the building in all respects, but it must be understood that the Government of India will not be able to sanction hereafter any further expenditure of public funds for completing the building.

ORDER—dated 12th August 1884, No. 1977 W., Public Works.

The estimate, amounting to Rs. 38,161, for constructing a church at Wellington, is sanctioned.

2. Funds are not immediately available, but an appropriation will be made as early as practicable.

3. The attention of the Superintending Engineer, IV Circle, is drawn to the instructions of the Government of India relative to the exercise of the strictest economy in the execution of the work.

4. This sanction has been registered as Provincial No. 112 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
" Consulting Architect to Government.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Ecclesiastical Department.
" Military Department.

Exd. E. Fernandes.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated August, 12th.

Read. *Encl.*

G.O., 12th Aug. 1884, No. 1977 W.

AUGUST.

Church

Estimate of Rs. 38,161 *for a* — at Wellington, sanctioned.

HEADING.
Accommodation for troops.

No. 643 M. W.

GOVERNMENT OF INDIA.

115

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on the subject.

MILITARY DEPARTMENT.

Simla, the 4th *July* 1884.

To

The Secretary to the Government of Madras,
Public Works Department.

Sir,

Enclosures returned. In reply to your letter No. 1300 W dated 23rd May 1884, I am directed to state that the Government of India now sanction the construction of the proposed Church at Wellington, at a cost not exceeding Rupees 38,161/-, the amount of the estimate now submitted.

2. I am, however, to say that the Governor General in Council still considers the cost of the Church very high, and would ask that the strictest attention to economy may be enjoined on the officer entrusted with the execution of the work.

3. It is observed that the estimate now submitted does not provide for the satisfactory completion of the building in all respects, but it must

must be understood that the Government of India will not be able to sanction hereafter, any further expenditure of public funds for completing the building.

I am,

Sir,

Your most obedient servant,

C. Bhesney

Secretary to the Government of India.

No 779 C. 10-4-84
" 1070 C. 5-6-83
" 1256 C. 4-7-83
B. No 2610 W 15-9-83
2611 W
96-3323 W 22-11-83
B. No 95-3 W 7-4-84
No 1116 C. 24-4-84
1299 W
1300 W } 23-5-84

No. 1977 W dt 12th August 84

Copy to:-
The Public Works Department.

Pub 7/9
Endd 15-7-84 & 11-8-84

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Govt. of India
Military Deptt.

} No. 673 W dt 4th July 1884

The Estimate amounting to Rs 38,161, for Constructing a Church at Wellington, is sanctioned for early execution.

2. A sum of Rs 22,000 has been provided for the work in the current year's Provincial Budget.

3. The attention of the Supdg. Engineer IV Circle is drawn to the instructions of the Govt of India

relative

relative to the exercise of the strictest economy in the execution of the work.

4. This sanction has been registered as Provincial No. W of 1884-85, and classified as Civil Buildings Original Works.

Cf

16.7.84

W.

16-7-84

To

The Supdg. Engr. W Circle
with 4 Duplrs.
- Consy. Arct. & Govt.
- Secy. P. W. accts. with Duplr. of Estimate.
- Eccles. Deptt.
- Mety. Deptt.

B. 15.7.84 7.11.9.84

C. No. 5829

P. W. Secretariat.

Note by Budget Section.

Work Church at Wellington

Remarks and References.

118

Fund		Provincial
Service Head		Civil Buildings
Departmental Head		Original Works
Amount of Estimate	Rs.	38161
Expenditure in previous year	"	"
Allotment in current year	"	22000
Balance required to complete	"	16161
Total Rs...		"

Note of available funds.

A sum of Rs 22,000 is allotted for this work in the Current years Budget under Class B works. If the balance of the Estimate can also be spent within the year, application for additional funds should be made by the 5th Sept. late in the year.

W

Budget Clerk.

+ The amount is not allotted. 7.Sept.7.84

W 14.7

Note by Budget Section.

I.W

C. No: 5829.

Wellington Church

Shaw Rept. there
papers back as there
is a mistake in the
draft. No allotment
has been made for the
work. It appears under
Claus 2 of the Provincial
Budget

The Govt. of India
letter was sent down to
Madras, in order that
it might be considered
in the Budget Section
whether funds could be
provided by transfer.

C.A.W. R.A.
21.7.22

Please revise draft
S.O.

III

22-7-22

I.W.

Draft revised
22.7.22

Remove first from
before circulation

Public Works Department.

No. 19775

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 12th August 1884

Read the following

From the Govt. of India
Military Deptt. } H. E. No. 673 M. W. dd 4th July 1884

The Estimate amounting to Rs 38,161, for constructing a church at Wellington, is sanctioned.

2. Funds are not immediately available, but an appropriation will be made as early as practicable

3. The attention of the Supg: Engineer IV circle is drawn to the instructions of the Govt of India relative to the exercise of the strictest economy in the Execution of the work.

4. This Sanction has been registered

How is it likely that
sufficient will be available?
J.R.
6/8/84

registered as Provincial

No 112 W of 1884-85 and

classified as Civil Buildings

Original Works

W.
22-7-84

6 AUG 84

1-2-1

W

1878

To

The Supg. Engineer IV Circle
with 4 Encls:
" Consg Acct to York
" Est. P. W Acct with duplicate abstract Estimate
" Eccle Dept.
" Mily Dept.

Ed. Dts. 2777 Circ 2277.

3827

Govt. of (1884) Madras.

PUBLIC WORKS.

1 8

Dated

Read. Encl.

G.O., 12 August 1884, No. 1977

Church

Estimate for Rs 38,164

For a ___ at

Wellington. Sanctioned

50 "

No 1952

GOVT. OF MADRAS. } 1884 { P. W. DEPT.

SECRETARY.

No 1023

Chepauk, 28th January 1884

Rs 4/2/84

OFFICE NOTE.

No 257 Cal 4-2-84

To

The Consulting Architect to Govt.

Wellington Church

Please submit a comparative statement showing how your estimate compares with the previous one for those portions of the building which you propose to complete properly, i.e. leaving out the floors which are to be formed in the roughest way, and the plastering and furniture which are not to be done at all

Also consider

report, as desired by Chief Engineer, whether the building will admit of enlargement hereafter - in a satisfactory way of course, so as not to injure the proportions and harmony of the whole.

CS

D. W.

No 1433.

To D.W.

Submits the Comparative Statement required. The building can be enlarged hereafter by being lengthened from West end and by enlarging the Transepts without injuring the proportions &c.

Jas Mc C. A.

29. 1. 84

No 195 Day 28th January 84

To C.A.

Wellington Chronicle. &

Please submit a comparative statement showing how your Estimate compares with the previous one for those portions of the building which you propose to complete forthwith i.e. leaving out the floors which are to be finished in the roughest way & the plastering & furniture which are not to be done at all.

Also consider & report, as desired by Chief Engineer, whether the building will admit of enlargement hereafter - in a satisfactory way of course, so as not to injure the proportions & harmony of the whole.

+ Vide 82 252 Ch 2-84 CS.

28-1-84

Chs. 594

1977 W+2-8-84 Rawlinson estimates &c.

D.W.

≒2742 aj 22-12-83
P.T. 3323 Way 22-11-83
" B 2610/2611 Way 15-9-83
h.a. 1256 aj 4-7-83
G.O. 1737 Way 20-6-83
Giz. 1076 5-6-83
" 2741 Wa 20-10-82
G.O. 4 Way 3-1-79
" 276 aj 29-1-67
" 273 aj Ro—
" 584 aj 26-2-67
" 126 aj 16-1-68
" 2366 aj 26-7-66
" 2037 dj 28-6-66
" 33— s—1-66
" 2897 aj 29-9-65

To W.

Accompanying is the detailed Estimate for a Church at Bellinghan prepared by C.A.

It amounts to Rs. 38,161 as against the Estimate of Rs. 49,960 to which the Govt of India objected. I think it may be accepted that a material reduction has been effected, but it should be borne in mind that some of the work will necessarily be left in a rough state.

In letter of 19th December the Archdeacon has again urged how undesirable it is to postpone their work.

I may mention that in the Estimate no provision has been made for the fee promised to Mr Lea for the preparation of the original design which G. of I. rejected. Perhaps the amount of same may be paid out of the sum allowed for contingencies?

D.W. 17/1

AJ. 25-1-84

The reduction in cost is not so much as was expected. It is now estimated at 11,800 instead of 14,000 /— but perhaps India will accept it as the material reduction they ordered.

The C.A. does not seem to state whether the design would admit of the building being

report, as desired by

necessities added to. Which
was a point several times
pressed by H.E. the C. in C.

I do not know which are
the two churches built in
Pilgirs within the last 20
years - with the cost of wh the
estimate is compared -
church at Coonoor was built
nearly 30 years ago - & St.
Thomas at POG is the only one
I know of built more recently

The plan & estimates can
sent forward to Madras with
explanatory letter, which shd
now be drafted, & which can
be circulated before despatch

But I should like first to
know how the estimate
compares with the previous
one for those portions of the
building wh C.A. proposes
to complete, — i.e. leaving
out those portions (such as
the floors) which are to be left
almost untouched.

C.A. should also state
whether his design will
admit of enlargement
hereafter.

It is by no means clear

how the fees due to Mr. Rea
are to be paid.

25-1-84

Public Works Department, 1883-84.

Curren
Lette
Date
From

report, as desired by

W. Wellington Church

Herewith a comparative statement of cost of Capt Burnett's design & that of Mr Rea taking all the essential items of the structure it will be observed that the difference in favour of former is only about Rs. 4000. If is by omitting items which can & joint be left over, but which no doubt must eventually be carried out, that a "material reduction" has been effected. These items I have added in red ink at foot of the statement.

C.E. reports that there will be difficulty in enlarging the building hereafter.

The only way I can see of forcing Mr Rea's fee is to indent on the manner for "Contingencies".

C.S.
30/1/84

The greater part of the expected saving has now disappeared. At least it is reduced from 4,000/- to 4,000/-

An explanatory note should be prepared, to accompany the comparative statement, showing how the apparent saving of 11,800/- has been reduced at.

The papers should then be lodged in Secretariat

report, as desired by

Dispr. for the opinion of the Bishop, - & afterwards of successor sent to this Com.

It should be explained in the note, that it will be impossible to complete the Church with any degree of comfort beyond the amount of the first estimate (Rs. 9,60,) without carrying all the protection to architectural design

H.S.
1-2-84

Public Works Department, 1883-84.

Current No. 574

Letter No. 1405

Dated the 22nd June/84

From the Secy. to Govt.

Note of Remarks.

1. The plan and estimate herewith submitted are for the construction of an Anglican church at Kellington. The estimated cost is Rs. 38,161.

2. The design has been approved by H. E. the Com. Rs. 38,161, cannot be looked as a correct, or rather as a sufficient amount for the completion of the work - flooring, finishing the interior of church, and providing suitable glazing must stand over till private funds will permit their being carried out satisfactorily.

3. S. N. contracts the proposed cost of this

report, as desired by

that would obtain by the adoption of the rate per sq. foot of the two churches at the stations of Navacay, the cost of the proposed churches would be Rs. 45,000; in the other, Rs. 53,000, while the estimated cost stands Rs. 38,161.

4. All plans and papers have been correctly submitted

2nd Jan/84

Pkwd

No. 252 Cdy 4th February/84

C. No.

137
594
1003

Memo.

Endt. in the Eccles. Dept. No. 3624 dy 8th Jany/84 32
on letter from the Ven. the Archdeacon No. 9440/14.11.83.
letter from the Comy. Genl. & Govt No. 1405 dy 22.1.84.

With reference to P.C. No. 3323 W dy 22nd November 1883, the undersigned has the honor to forward, for the opinion of the Rt. Rev. the Bishop, a plan, prepared by Major Morant R.E., Offg. Comy. Architect to Govt, for a Church at Wellington, estimated to cost Rs 38,161, as compared with the Rs 49,961, the estimated cost

report, as desired by

cost of the design pre-
viously prepared, and
objected to by the
Govt of India as too
expensive.

2. A comparative
statement is also for-
warded, showing how
the saving, Rs 11,900,
has been arrived at.

3. It will be seen that
this saving has been ef-
fected mainly by the
omission of the following
essential items —

Flooring ——— Rs 1,042
Choral Railing — " 150
Pulpit ——— " 600
Font ——— " 400
alterations ——— 1,000
Benches ——— " 3,230
Lighting Contracts — " 100
Architects fees for
new designs — " 738
Professional contingencies — " 326
Total Rs 7,586

and that the real re-
duction in cost will amount
to only about Rs 4000.

4. The omitted items
might however be
allowed to stand over
for the present, & the
Govt of India will
perhaps accept the
Rs 11,900 as the "material
reduction" ordered.

5th. But it
must be pointed
out ~~[illegible]~~ that it
will be impossible
to complete the church
at any figure much
below the amount of
the first estimate, &
Rs 49,961, without
sacrificing all pre-
tension to architectural
design.

To The Executive Debt
with papers in ref

130

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th July 1884, No. 673 M.W.:—

In reply to your letter, No. 1300 W., dated 23rd May 1884,* I am directed to state that the Government of India now sanction the construction of the proposed church at Wellington at a cost not exceeding Rs. 38,161, the amount of the estimate now submitted.

* Enclosures returned.

2. I am, however, to say that the Governor-General in Council still considers the cost of the church very high, and would ask that the strictest attention to economy may be enjoined on the officer entrusted with the execution of the work.

3. It is observed that the estimate now submitted does not provide for the satisfactory completion of the building in all respects, but it must be understood that the Government of India will not be able to sanction hereafter any further expenditure of public funds for completing the building.

ORDER—dated 12th August 1884, No. 1977 W., Public Works.

The estimate, amounting to Rs. 38,161, for constructing a church at Wellington, is sanctioned.

2. Funds are not immediately available, but an appropriation will be made as early as practicable.

3. The attention of the Superintending Engineer, IV Circle, is drawn to the instructions of the Government of India relative to the exercise of the strictest economy in the execution of the work.

4. This sanction has been registered as Provincial No. 112 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
" Consulting Architect to Government.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Ecclesiastical Department.
" Military Department.

Exd. F ernandes.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1884] Madras.

PUBLIC WORKS.

Dated August, 12th.

Read. *Encl.*

G.O., 12th Aug. 1884, No. 1977 W.

AUGUST.

Church

Estimate of Rs. 38,161 *for a* — at Wellington, sanctioned.

131

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 25th September 1884, No. 1050 :—

I have the honor to submit indents, in triplicate, for stores required from England for the Wellington church, sanctioned in G.O., No. 1977 W., dated 12th August 1884.

The corrugated iron obtainable here is not stout enough for first-class work, and the other articles indented for are not obtainable in the local market.

ORDER—dated 30th September 1884, No. 2403 W., Public Works.

Ordered that the indent be forwarded to the Home Government for compliance.

(Here enter No. $\frac{19}{2403\ W.}$, dated 30th September 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
" Superintending Engineer, IV Circle.
" " " V "

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of [1884] Madras

PUBLIC WORKS.

Dated September, 22nd.

Recd. *Encl.*

G.O., 30th Sept. 1884, No. 2403 W.

SEPTEMBER.

Church at Wellington

Special indent for stores required for the new —, ordered to be forwarded to the Home Government.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account

READ—the following despatch from the Right Honorable the Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 27th November 1884, No. 2, Public Works (Stores):—

I have considered in Council your letter in the Public Works Department, No. $\frac{19}{2403\ W.}$, dated 30th September, forwarding an indent for certain stores required for the construction of a church at Wellington, the provision of which I have sanctioned.

2. The outlay will be treated as a Madras Provincial charge. It is desirable that in future indents it should be specifically stated whether the cost of the stores demanded is chargeable against Imperial or Provincial revenues.

ORDER—dated 20th December 1884, No. 3143 W., Public Works.

Communicated to officers concerned, with advertence to G.O., No. 2403 W., dated 30th September 1884.

2. In future, indents for stores framed by the Consulting Architect to Government will be forwarded through the General Superintendent, Public Works Stores, who will put them in proper form for submission to the Home Government.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

132

To the Consulting Architect to Government.
" Superintending Engineer, V Circle.
" " " IV "

Exd. W. H. French.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated December, 20th.

Rec'd. Encl.

20th Dec. 1884, No. 3143 W.

DECEMBER.

Stores

Despatch from the Secretary of State sanctioning indent for — for the Wellington church and desiring that future indents for stores should state whether the charge is Provincial or Imperial, communicated to the officers concerned.

It is requested that the reply may be addressed—
The Director General of Stores,
India Office,
London.

S. B. 31

156

India Office, London,

9th January 1885.

Sir,

With reference to the castings for the Church at Wellington, which are asked for in your Indent dated 30th September 1884, I have the honor to request that, to enable me to make a satisfactory supply, you will inform me whether any Ridging is required, and, if not, for what size of Ridge Roll the castings should be adapted.

I have the honor to be,

Sir,

Your obedient Servant,

Chas. H. Shaw

Director General of Stores.

153

The Secretary,
to the Government of Madras,
in the Public Works Department.

SECRETARY TO GOVERNMENT
2 FEB 85
PUBLIC DEPARTMENT MADRAS

Chepauk
No. 255 D 3rd Febry 85

Referred with advertance to G.O No. 2403 W dated 30th Sept 1884, to the Consulting Architect to Govt, for early submission of the required information

(By order)
C. Brown
Major RE
Under Secretary to Govt
PWD

No. 1397 Nilgiri Division Office
Ootacamund 18th August 1885

From
The Executive Engineer,
Nilgiri Division,

To
The Superintending Engineer
4th Circle.

Sir,

In continuation of my No. 1258 of the 1st August 1885, and with reference to your No. 485/N.I. of 4th instant regarding the excess on the Wellington Church, I have the honor to state that the total excess will be within 5 per cent on the estimate, so I see no reason why the work should be stopped.

2. I have been given to understand that the Right Revd the Lord Bishop wishes three extra windows to be placed in the Chancel so I have given orders to have arched recesses built there so that windows may be easily inserted in future.

Also the Chief Engineer and the

the Lord Bishop both say that the
Chancel windows are placed too high
to I have given orders to place their sills
two feet lower.

I have the honor to be
Sir
Your most obed.t Servant.

Edwin M. Gray Lt.
Executive Engineer

P. W. D.

Consulting Architect's Office,
Chepauk, Madras.
4th February 1885.

No. 1614

From

The Consulting Architect to the Government of Mad.s

To

The Chief Engineer, Public Works Department.

Sir,

Enclosures,

I have the honor to return letter
No. S.B. 31 dated 9th January from the
Director General of Stores, received
with your endorsement No. 255 D.
dated 3rd February and to state
that it was intended (when I for-
warded the Indent) to obtain the
ridging in the local market but
on further reflection I think it better
to request you to kindly direct that
the ridging also may be supplied.
The lengths corresponding with the
lengths of cresting ordered plus any
overlapping that may be necessary.
The angle of the roof and all informa-

-tion has been already given in the first Instend.

I have the honor to be

Sir

Your most obdt. Servant

Lt. Col. R. E.

Offg. Consg. Archt. to Govt.

137

P. W. D.

Roads and Buildings.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

The Chief Engineer

P. W. Dept.

5 FEB 85

No. 1614

Dated 4th February 1885

Received

No. of Enclosures 1.

Subject.

Regarding the supply of ridging for the Church at Wellington.

P.W. Department

To

The Director General of Stores

India office

London.

1350

Sir,

In reply to your letter No. 5.B.31 d/ 9th Jany: 85, I am directed to forward a copy of a letter on the subject from the Consulting Architect to Govt; and to request that ridging may be supplied in addition to the cresting asked for in this office indent of 30th September 84, for the church at Wellington.

× No. 1614 d/ 4th Feby: 85

Desptd to Secretia Office with copy & covg Roll Letters 1614 of 4-2-85 " 11/2/85

Ch. 6.2.85

6.2.85

Chief.

No. 346
P. W.

Supty. Engineer's office IV Circle,
Coimbatore, 22nd. August 1876.

From

The Superintending Engineer,
IV Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

Enclosures. 2.

I have the honor to forward herewith for your information two letters from the Executive Engineer Nilgiris regarding excesses expected on the work of erecting a Church at Wellington.

2. Under ordinary circumstances, I should consider myself justified in sanctioning unavoidable excesses not exceeding in the aggregate 5 per cent of an estimate, but in the face of para 3 of G. O. No. 1777 of 12th August 1876, I think it best to bring to your notice the probability of an excess on the Church.

I have the honor to be,
Sir,
Your most obedt. Servt.

Sup.

1531 D 3-7-95
2nd 1772 W at 12-8-55
" 1300 W at 23-5-86
" 1299 W at do
" 953 W at 7-4-82
" 3323 W at 22-11-83

2610
2611 W
at 15-7-83

No 7455

From

The Superintending Engr
Fourth Circ

Dated 22nd
Despd 24th } August 1885.
Rec 25

No 346
E.W.
No 535 Ed Aug 28

Enclosures R.

Chured at Wellington.

Brings to notice the
probability of an excess
the sanctioned estimate fo
erecting a ____

Ch

26.8.85

No 1258

Nilgiri Division Office
Ootacamund 1st August 1885.

From

The Executive Engineer,
Nilgiri Division;

To.

The Superintending Engineer,
4th Circle;

Sir,

I have the honor to report for your information that I am constantly finding small errors and omissions in the Wellington Church Estimate which necessitate deviations and additions with consequent excesses over sanctioned sub-heads of Estimate.

2. These though too trivial in themselves to be separately reported on as they occur, will necessitate a rather heavy excess over the total sanctioned amount. But at the same time unless I sanctioned them the work must be stopped.

3. I propose shortly sending in a re-

revised Estimate which must prove above stated considerably Exceed the sanctioned one owing to the above mentioned Omissions &c.

4. I request permission to go on with the work pending the Submission of the Revised Estimate and meantime assure you that nothing but what is absolutely necessary is being done.

I have the honor to be

Sir

Your most Obedt Humble Servant,

Alexander Major R.E.

Executive Engineer

21/7

SURVEYOR GENERAL'S OFFICE
6361
3 AUG. 85
P. W. O.
FOURTH CIRCLE

From
The Executive Engr.
Nelgini Division

No 1258
Dated 1st August 1885.
Ex No 7455/85.

Encloss.

Kellampton Church
Certain deviations in
in the Construction of
Reports —

In order

140

From

The Executive Engr.

Nilgiri Divn.

SUPDG. ENGINEER'S OFFICE
No. 698 P.D.
20 AUG. 85
P. W. D.
FOURTH CIRCLE

No 139

Dated 18th August 1885.

Encl 7455/85.

Encls

Wellington Church-

Reports regarding the Excess outlay & the incurred one

W/

No 535 Dated August 1885

P. W. Department,

Memorandum

Letter from the S.E. IV Circle No 3146/Ew dated Aug. 25th 1885.

The Supdg Engineer will submit with the least possible delay a revised estimate for the work, on receipt of which the orders of Government on the subject will be taken.

2. At the same time the Supdg Engineer will make such proposals as may be feasible to effect savings on items not yet commenced & to

compensate for the un-
avoidable Expences incurred
in items already completed.

It should also be
stated whether either of the
proposed alterations, men-
tioned by the Executive
Engineer in para 2 of his
letter dated 18th August
85, will increase the
cost of the building

28.8.85

Supt. Engineer

Supt. Engineer's Office IV Circle
Camp Maugalore 5th March 1886

No. 711
Ind.

From

The Superintending Engineer
Fourth Circle

To

The Chief Engineer
P. W. Department

Sir,

Enclosures 15
× with 1 Letter from the Exve. Engr. Nilgiris & 14 enclosures

I have the honor to submit here
with for sanction a revised × estimate of
the Cost of Constructing the Protestant
Church at Wellington, amounting to Rs 49,100
showing an excess of Rs 10,939 over the Original
Sanction of Rs 38,161.

* By Bungley

G.O. No 1977 TP of 12th Augt 1884.

2. As the original order enjoined "the
exercise of the strictest economy in the
execution of the work" the plans and
estimate have been most closely adhered to;
no work has been allowed, or provided for
in the revised estimate, which was not
absolutely necessary; and the Consulting
Architect, from whose office the original
estimate was submitted, has been referred to

by the Executive Engineer in every case in which there was any doubt.

3. The revised estimate is accompanied by a Comparative Statement and a Report with appendices. These give full particulars of the excess, and show that it has been entirely due to omissions, errors in Computation, and Measurements of the original estimate, and to the insufficiency of some of the rates provided.

4. It will be observed from Appendix B attached to the Report that the largest excess, Rs 2,756, is on Cut Stone work and this was owing to the omission in the estimate of 427 cft and to the low rate provided for this class of work. Another heavy item of excess Rs 2377 was on iron and felt for roofing, obtained through the Secretary of State.

5. You are aware that the building has been carried out by Contract, on the most favorable rates that could be obtained and which are believed to be very reasonable for that locality, while the work has been thoroughly well done, and is very creditable to the Contractors Messrs Groves & Co of Bonnoor.

6. It is now found that the following works, for which no provision whatever was made in the sanctioned estimate, are very necessary:—

I. Fencing & Gravelling the Church Compound;
II. Providing a Lightning Conductor;
III. Constructing a Road of approach
IV. Providing a Bell.

But as the excess on the original estimate is so heavy, I have thought it best these should form the subject of a Supplemental estimate, which may be dealt with separately.

7. In accordance with previous orders nothing has been provided for flooring or interior plaster.

I have the honor to be,
Sir,
Your most obedt. Servt.,

L. Beatty. Col. R.E.
Superintending Engineer
IV Circle.

From
The Superintg Engineer,
Fourth circle

Dated 6th & 11th Sept. March 1880

No. 71
Ext.

Encls.

Protestant church at Wellington.—

Submits a revised estimate of the cost of constructing the — amounting to Rs. 49,100.

Enclosure
Ex 8

No. 2819. Nilgiri Division Office
Ootacamund 12th February 1880.

From
The Executive Engineer
Nilgiri Division

To
The Superintending Engineer
4th Circle

Paid

Sir,

Encls. 14
1 Sanctioned Estimate
1 Dr Report of Specification
1 Revised Estimate
1 Dr Duplicate Abstract
1 Dr Report
1 Comparative Statemt
1 Site Plan
1 Plan & Sections of Church
2 Sheets of details
1 Dr of Porch
2 Appendices A & B
1 Revised ground plan by Archt

I have the honor to submit herewith the revised estimate for the Protestant Church at Wellington.

2. The delay in doing so has occurred on account of the complex nature of the work; and of the many omissions, trifling though intricate, in the original measurements; and in the fact that many of these were taken out very roughly.

3. I regret that the total excess amounts to so large a sum. At one time I thought that the excess would probably not exceed Rs 3000, but as the work proceeded and details were more thoroughly gone into discrepancies

Resp

on Cropping up between plans & estimates
Nothing has been done in the work which
was not strictly essential and even now
under the orders of Government of India
nothing has been provided for flooring
or interior plaster.

4. I have annexed a report
to the estimate which explains concisely
the larger excesses, and which it will be
found expedient to read prior to wading
through the long array of figures in the
Comparative Statement. The Appendices
A & B and the remarks thereon embrace
all the principal excesses & fully explain
the causes thereof.

5. In conclusion I have to state
that owing to the restriction on the expendi-
-ture having been ordered, I have confined
the same strictly to essentials and nothing
short of stopping the work in an incomplete
state would have prevented the excesses
now reported; and which I briefly
noticed as being unavoidable in my
letter No 1258 dated 1st August 1885.

The

4/5

The work is now almost complete with
the exception of covering the roof with
felt & iron and finishing the tower.

I have &c

Signed/ A. C. Smith Major R.E
Executive Engineer.

(True Copy)

C. Beatty. Col: R.E.
Superintending Engineer IV Circle

No. 72
E.W.

Supg. Engineer's Office, IV Circle.
Camp Mangalore, 5th March 1906.

From,

The Superintending Engineer,
Fourth Circle.

To,

The Chief Engineer,
P.W. Department.

Sir,

As promised in para 6 of my letter No. 71 Ecc. of 5th March 1906, I have the honor to submit herewith a Supplemental Estimate for the following additional works, in connection with the Protestant Church at Wellington.

Enclosures 3
1 Estimate
1 Tracing
1 Duplicate
abstt.

I. Fencing and gravelling the compound _____ Rs. 1,141
II. Providing a Lightning Conductor Rs. 300
III. Constructing a road of approach _____ Rs 1100
IV. Providing a bell _____ Rs 330
Contingencies & Supervision Rs 219
Total Rs 3,090

2. The Lightning Conductor and bell are indispensable, and urgently

necessary; the latter because it must be fixed in the tower, now in course of construction, before the top is put upon it, and the former can of course be put up at less cost now, than at any later period. I request permission therefore to provide the bell and Lightning Conductor at once.

I have the honor to be,

Sir,

Your most obedt. servant,

L. Beatty. Col: R.E.

Superintending Engineer,

IV Circle.

147

No 1869 W d/21.7.82.
" 2417 W d/15.9.82
" 1732 d/ 20.11.82 (F.D)
" 1844 W d/2.7.83
" 2554 W d/11.10.83
" 2479 W d/22.10.83
" 2741 W d/20.10.82
" 1070 C d/ 5.6.83
" 1256 C d/4.7.83
" 231 W d/19.1.83
" 930 W d/21.3.83
~~1844 W d/2.9.83~~
" 4029 W d/16.10.78
" 1910 W d/8.8.81
" 104 W d/5.1.86.
" 2814-5 W d/25.11.85
" 1977 W d/12.8.84
" 1196 W d/12.5.84
" 1299 W d/4.6.85
" 2741 W d/20.10.82
" 2610 11 W d/15.9.83
" 3323 W d/22.11.83
" 933 W d/7.4.84
" 1300 W d/21.5.84
" 2403 W d/30.9.84
" 3184 W d/20.12.84
" 32 W d/10.1.85
" 1531 D d/3.7.85
" 535 E d/28.8.85

Dated 1st

From
The Supg. Engineer,
Fourth Circle.

Dated 5th } March/86
Despd. 11th }

No. 72
E.W.

Encl: 3

Protestant church at
Wellington:—

Submitting a
supplemental abstract
estimate of Rs. 3090
for certain additional
works in connection
with the ——.

Rec'd 14/3/86

P.W. Department.

Proceedings of the Madras Govt.

Under date the 6th April

Read the following:—

From the S.E. IV Circle (No. No. 71 E.W. d/ March 5. 1886)
" " do " (" " 72 E.W. d/ " 5 ")

Order—dated 6th April/86 No. 933 W.

With his letters above
recorded, the Supdg Engineer
IV Circle submits a revised
estimate amounting to
Rs 49,100 for constructing
a Protestant church at
Wellington; also a supple-
mental estimate amounting
to Rs 3090, for certain items
for which no provision

was made in the original estimate, but which are now considered very necessary.

2. With letter No. 2611 W d/ 15th September 1883, an estimate for the work amounting to Rs 49,960 was submitted to the Government of India; but that Government, in their reply recorded in Proceedings No. 3323 W d/ 22nd November 1883, while admitting the need of a church at the military depot at Wellington, expressed their inability to sanction so large an

expenditure of public funds for the construction of a church to contain 300 sittings. It was intimated that, unless private subscriptions to a considerable amount were forthcoming, the design should be revised so as to effect a material reduction of the cost.

3. A fresh design was then prepared by the Officiating Consulting Architect, the estimate for which amounted to Rs 38,161. That estimate, although confessedly

was incomplete inasfar that
estimate no provision was made
non for certain essential ite-
nece such as flooring, plastering,
2. &c., was believed to
d/ be complete and sufficient
eo: with respect to all
an items actually provided
" for. In sanctioning
" that estimate, the Govt
" of India, in their letter
" recorded in Proceedings
" d/ 10th August 1864, No. 1977,
" expressed the opinion that
" the cost of the church
Ex " still very high, and
" that the strictest

1

economy should be
enjoined on the officer
intrusted with the exe-
-cution of the work. The
Govt of India, in the
same letter, placed on
record that, while the
estimate did not provide
for the satisfactory com-
-pletion of the building,
no further expenditure
of public money would
thereafter be sanctioned
for completing it. Not-
-withstanding those
instructions, it is now
reported that the ch

has cost Rs 10,939 in excess of the estimate. The Supty Engineer reports that the strictest economy has been observed in the execution of the work, and that the excesses have been unavoidable owing to omissions and errors in the estimate, and to insufficiency of rates.

4. H.E. the Governor in Council cannot but regard the history of this church as a most

× Vide also para 1583

unfortunate one. The factory-While willing to make due allowance for the difficulties to be met in constructing a building of this description on the hills, the Govt observe that insufficient attention seems to have been paid to paras 1112 & 1114 of the P.W. Code. The original estimate does not appear to have been framed with sufficient care; but it should have been carefully scrutinised and the omissions

inadequacy of rates
should have been
discovered and reported
before the work was
begun. Or, if this were
not possible, they
should have been dis-
covered at a very
early stage in the
progress of the work,
which should at once
have been stopped
by the Supty Engineer
pending the orders of
the Govt. It was not
till the 22d Augt 1885,

that the Supty Engineer,
in his letter No 346,
reported that large
excesses were expected,
and in P.W.D. Memo.
No 535 E dd 25th August
1885 he was directed
to submit, with the
least possible delay,
a revised estimate. He
was at the same time
requested to submit such
proposals as might be
feasible to effect savings
on items not commenced,
and to report whether

certain alterations made
at the request of the
Right Revd the Bishop
would increase the cost
of the building. The
revised estimate was
submitted only on 5th
March, or more than
six months after the
date of the Memo, and
no reply has been given
to paras 2 and 3 of the
Memo.—

5. In these circumstances
His Excellency in
Council, before submitting
the revised estimate for
the orders of the Govt
of India, is constrained
to call upon the Supdg
Engineer IV Circle to show
cause why he should
not be held personally
responsible for the excess
expenditure which has
been incurred.

6. In the face of
the remarks recorded by
the Govt of India in
their letter No 693 M.W.
d/ 4th July 1884, this
Govt are unable to

recommend for sanction,
the supplemental estimate
of ₹ 3090. With respect
to items not provided
for in the original estimate
of ₹ 38,161, such as flooring,
plastering, ~~expenses~~
leaves, &c., it is clear
that the Govt. of India
intend that the cost
shall be met otherwise
than from public funds.

7. The Supdg Engineer
will reply to para 5 of
this order, and permit

the revised estimate
with the least possible
delay.

2.4.86

S.E. IV Circle.
with plan & ✓ detailed
estimates — 7/4/86

gomq

Brought forward					36342	6	"
Terracotta panels 1'6" high	9	2	"	Rft	18	.	.
Varnishing Ceiling —	1742	4	"	1000 ft"	69	10	11
					36460	0	11
Materials " asite (a)							
Teakwood	65	3	8	Cft	227	8	-
Corrugated iron "					1791	.	.
Crests & Spestrings					338	.	.
Terracotta panels				about	400	.	.
Lead, Mortar, Continuous iron, windows, doors, Paint, Varnish, & wood oil & c"				about	1306	.	.
Lightning Conductor				about	200	.	.
Cut stone				about	200	.	.

(a) Materials atsite have been entered as far as is known to Divisional Offices Mr H. Hollingsworth has but yet sent a Complete List

Dont

Print

1058
5574
41974 11

Copy

Abstract
Major RE
Executive Engr

Accountant

Contingencies
Public Buildings

Delta-min 2
18th April 1886

Std

Rec'd also

No 109C
EW

Supg Engineer's Office, 4th Circle
Camp Cotacamund, 16th April 1886

From

The Superintending Engineer
Fourth Circle.

To

The Chief Engineer,
P. W. Department

Sir,

Enclosures 13
1 Revised Estimate for Rs: 47810.
1 Abstract Do
1 Report
2 Appendices A and B.
5 Plans
2 Letters from the Ex. Engineer dated Do.
1 Copy of his Memo: No: 485 of 4th August 85.

As directed in para 5 of G.O. No: 9334 of 6th April 1886, I beg respectfully to show cause why I should not be held personally responsible for any excess that may have been incurred on the Wellington Church.

2. That building was one of a special kind, architecturally and otherwise different from those the Department has ordinarily to construct; but the estimate having been prepared in the Consulting Architect's Office, there was no reason at first sight to suppose that as regards quantities it was not fairly accurate; and it was not until work had been going

going on for some months that doubts arose of its sufficiency to meet the cost of the building

3 The fact that excesses were occurring which could not be met by savings on other items was first brought to my notice by the Executive Engineer Nilgiris in his letter No. 1258 of 1st August 1885. To my reply No. 485 of 4th idem, I stated that I could sanction no excesses on the Wellington Church, and therefore considered that the only safe course was to stop further progress, pending the submission of a revised estimate; which should be expedited as much as possible.

4. In his letter No. 1,377 of 18th August, the Executive Engineer distinctly stated that the total excess would be within 5 per cent; he never subsequently reported that the excess would exceed 5 per cent; and he never obtained sanction to any excess. I was perfectly astounded when I received the Revised Estimate, and found that the excess would be about 28 per cent

5. Your Memorandum No. 535 C of

* Copy herewith

+ Probably because it was not marked urgent

15

p 20

of 28th August 1885 reached Coimbatore on 2nd September 1885, five days after I had quitted the Circle on Privilege Leave. The Officer who acted for me failed to submit the revised estimate, or to reply to paras 2 and 3 of your Memo; but, nevertheless, on my return from leave at end of November, that Memo was most unfortunately lost sight of. In fact, it was not until the receipt of the G.O. I am now replying to that my attention was drawn to it, and I then perused it for the first time.

6. According to para 230 b of the P.W. Code, the Executive Engineer is held primarily responsible for affording information in cases of excess. He is bound to report to the Superintending Engineer the fact of the cost of a work being likely to be exceeded, and to ask for orders.

7. Your Memo was communicated to the Executive Engineer immediately on its receipt, and he therein got the orders he wanted. He should have seen from that Memo that he was not

not, at liberty to exceed the sanctioned estimate even to the extent of 5 per cent; and that the submission of a revised estimate, so arranged as to fall within the amount of the original sanction, was most urgent.

8. The information for framing that revised estimate must have been in the hands of the Executive Engineer, as the work had been more than six months in hand; he had received orders showing the urgent necessity for submitting it; and he was not left without reminders from my Office, and myself. If any help had been needed for hastening the submission of so urgent an estimate, it would have been supplied him at once; but no such help was ever applied for.

9. I am strongly of opinion that it was the duty of the Executive Engineer on receipt of your Memo: No. 535 E, of 28th August, to stop all work pending sanction of the revised estimate. In fact, I do not see how else it was possible

possible to comply with your wishes, and at least attempt to prevent excess. It is very doubtful if much of the excess could have been prevented even then; but, by complete stoppage, and careful revision, something might have been done.

10. When I returned from leave at end of November, altho', as stated above, your Memo: most unfortunately escaped my notice, I was most anxious to prevent the possibility of an excess on the Churches; and did not fail to remind the Executive Engineer to submit the revised estimate without further delay. It was not, however, received until the middle of February.

11. If it be asked why I did not stop the work in December, it must first be remembered that the time to effect any saving was past. The whole building except the turret had been carried up to full height, nearly all the roofing woodwork was up, and all the materials prepared. Besides this, I had no reason to anticipate any considerable excess; the Executive

* probably because it was not marked "urgent"

Executive Engineer had asked for no orders, and had made no further report. Moreover, I had not seen your Memo.

12. I find that the outlay on the Church to end of March came up to the amount of the sanctioned estimate; and that liabilities have been incurred in excess of the original sanction. This was utterly beyond my power to prevent, it was done without my knowledge or sanction, and is in contravention of the well known Code Rule that no expenditure is to be incurred on any public building without adequate sanction. I relied on the Executive Engineer, as an officer of long service and great experience, taking precautions that at least the work should be brought to a standstill within the existing grant. The idea of his incurring liabilities without any sanction, I was utterly unprepared for.

13. I trust I have shown clearly that short of actually stopping the work, I did all in my power to prevent the very unsatisfactory

unsatisfactory state of things which has occurred, and which I greatly regret. That stoppage I advised when writing to the Executive Engineer, on 4th August, and would certainly have ordered on my return from leave if the Executive Engineer had reported the probability of a considerable excess, or if your Memo had come to my notice.

14. My defence then is simply this. The Executive Engineer was an officer of long service and great experience, well acquainted with the rules of the Code, while he had before him the special instructions conveyed in G.O. No: 1977 of 12th August 1884, my No: 485 of 4th August 1885, and your Memo: No: 535 C of 28th August 1885. 160

The orders forbade him to incur any excess over the sanctioned estimate, while the Code forbade him to incur liabilities without due sanction.

I had no reason to expect that he would ignore rules and orders, and while pushing on the work, delay the submission

submission of the revised estimate, so that it came too late to be of any use in stopping excess.

I do not doubt, however, that the Executive Engineer has what he considers a satisfactory explanation of all this; and I hope he may be able to satisfy you that he was justified in acting as he did.

15. I sincerely regret that the false position in which I am placed compels me thus, in self-defence, to report the apparent shortcomings of an excellent officer, but I see no alternative when I am called on to explain how I failed to check the irregularities that have occurred, and for which I feel that I am not personally responsible.

16. I beg most respectfully to state that I cannot see I am in any way to blame for what has happened. I failed in August last, when alone the mischief of an excess might to some extent have been averted, to foresee and take precautions against, an

* See paras 17

Officer of the Executive Engineer's standing and experience acting in what appears to me the very extraordinary manner he has done; but I am confident that any other Superintending Engineer in the Presidency would have done the same. As to an Executive Engineer incurring liabilities with out an allotment, that is a contingency that no Superintending Engineer can possibly guard against. An Executive Engineer does it on his own responsibility, and at his own risk.

17. The work of the Church has been stopped, and I have called on the Executive Engineer for a Statement of liabilities incurred. I have also furnished him with a copy of G.O. No: 933 W of 6th instant, as there is much in it that he can explain much better than I could, owing to his thorough knowledge of the work, and its history. I shall also send him a copy of this letter in order that he may reply to my remarks on his action in the matter

18. With regard to paras 2 and 3 of your Memo: No: 535 E of 28th August 1885, which

× See reply herewith sent.

which I regret should, under the circumstances above explained, not have been attended to sooner; I have to state,

(1) That some reduction of outlay might have been effected in Augustlast by stopping the construction of the Porch, Organ-Chamber, vestry, and robing rooms and the Roll-tower, continuing only the construction of the four walls of the building and its roof.

(2) The proposed alterations mentioned in para 2 of the Executive Engineers letter of the 15th August 05, did not increase the cost of the building.

19. I turned again especially point out, as I have already done in my letter No: 75 dated Ultimo: 4th 06, that in carrying out the work, the sanctioned plan and specification have been most closely adhered to, and no work done that was not absolutely necessary.

There has been no waste of public money in unsanctioned deviations; and the rates paid were those tendered by the Contractor, and accepted before the work

work began.

Moreover, if the probability of an excess had been discovered before the contract was entered into with Messrs Groves and Co, the only suggestion I could have made to cheapen the work would have been the substitution of brick in chunam, plastered in cement, wherever practicable, for cut stone — clumsy brick pillars for neatly dressed stone ones, &c. Such alterations, however, must have seriously injured the appearance of the building, and I doubt if you could have recommended their adoption.

20. Having again gone carefully through the revised estimate with a view to its reduction, I have struck out Rs: 690 under "scaffolding", and Rs: 600 under "supervision and contingencies". This latter charge leaves only Rs: 100 to cover clearing and levelling the site, and supervision and watching until the building is handed over to the Ecclesiastical Establishment.

The

The total cost will thus be reduced from Rs: 49,100 to Rs: 47810; and the excess will now be Rs: 9647, or a little over 25 per cent.

21. I have now only to remark on the passages in the letters of the Executive Engineer Nilgiris, herewith cont, Nos 155, and 156 of 15th instant, which I have marked in red ink. That Officer has expressed doubts as to his power, legally, to stop the Contractor, except for bad work, delay, or refusing to conform to his instructions, but I have always been of opinion that the "conditions of a schedule contract" provided for this:—

Para 6 states that "the contractor is bound to adopt any alteration of the original design which the Executive Engineer may direct in writing". Such alteration may of course amount to a complete stoppage of all further operations.

The Contractor would, of course, in such a case have to be paid up in full

full for all work and materials delivered; the guarantee funds would have to be made over to him; and it would I suppose be optional with him to continue work after the stoppage or not, as he might find convenient.

Government would no doubt incur some loss, but that would be unavoidable.

22. I return herewith the revised estimate and plans, together with the letters of the Executive Engineer, Nilgiris, Nos: 155 and 156 of 15th instant.

I have the honor to be,
Sir,
Your most obed. Servant.
G. Beatty. Colonel, R.E.,
Supg. Engineer, 4th circle.

163

No. 485
Rd.

Supg. Engineers Office 4th circle
Coimbatore 4th August 1885.

Memorandum.

Letter from the Executive Engineer, Nilgiris,
No. 1258 of 1st August 1885, regarding Welling
-ton Church.

The undersigned has the honor to
state that, bearing in mind the strict
orders regarding economy given in G.O. No.
1977 W of 12th August 1884 and in the orders
of the Government of India printed
with it, the undersigned can sanction
no excess on the Wellington Church;
and therefore considers that the only safe
course is to stop further progress pending
the submission of a revised estimate,
which should be expected as much as
possible.

Signed J. Beatty Col: R.E.,
Supg Engineer, 4th Circle

True

27

168

/True copy/

L. Beatty - Lt Colonel, AA,
Sup'g Engineer, 4th Circle.

P. W. No. 3077.

From

The Supg. Engineer,
Fourth Circle.

18 AP
CHIEF ENGINEER

To

The Chief Engineer,
P. W. Department.

Dated 16th
Recd. 18th April 1886.

No. 1090
P.W.

Enc: 13

Wellington Church:-
Reports on para 5
of G.O. No. 933 W of 6th April
1886 regarding access on—

Colombo 13th April 1886

Major R. F. Smith. R.E.
Executive Engineer Nilgiris

Sir,

I have the honor to acknowledge your Office letter No. instructing us to stop work at Wellington Church - We beg to submit for the consideration of Government the following points:-

1. That the whole of the material is on the ground or in our yard - the only exception being some sheet lead ordered by us specially for this work which we are daily expecting to receive and leaded lights for west window ordered from England.

2. That there is only required on our part an expenditure of some Rs: 500/-/- in labor to complete the whole of our Contract. The roofing with white cedar and felt is finished with the exception of the aisles and the greater part of the nave etc. is roofed with iron.

3. That part of the roofing viz: such as is

must get covered with iron, is in such a state that should rain come the Cedar planking will be quite spoiled by the water leaking through the felt.

4. Under these circumstances we consider that the stoppage of the work will entail great loss on both Government and ourselves. We shall be quite willing to wait for the payment of such additional expenditure on labour as we may incur after the present (which as above stated we estimate at Rs. 500/-) until a decision is come to Government. But meantime we trust we may be allowed to continue the work.

We have &c &c

(Signed) Grover &co.

(True Copy)

No 153.

Submitted to the Superintending Engineer 4th Circle for orders with reference to his Memo: No: 163C/N.I. dated 11th April 1886. stopping the work. As all the ceiling will be spoilt if it rains, the contractors have been authorized to complete the iron roofing.

Ootacamund } Signed/ R. C. Smith. Major R.E.
15th April 1886 } Executive Engineer

p 29

No. 110C/E.W. Forwarded for the information of the Chief Engineer with reference to this office letter No. 109C/EW of 16th Instant.

Camp Coty: } L. Beatty. Lt. R.E.
17th April 1886 } Supg. Engineer, 4th circle.

167

From
The Supg. Engineer,
Fourth circle

Dated 17th April 1886
Deed: 19th

No: 110 C
Ew

Wellington Church

Forwarding for information letter from Messrs Groves and Co pointing out difficulties in stopping work on the —.

Ans. 5414.

No: 155 Nilgiri Division Office
Ootacamund 15th April 1886

From
The Executive Engineer
Nilgiri Division

To.
The Superintending Engineer
4th Circle

Sir,

With reference to your endorsement No: 105 C/N.I. of 12th April 1886, on G.O. No: 13 of 6th April 1886, regarding the access to Wellington Church, I have the honour to make the following remarks according to your request:-

1. In the first place I respectfully submit that it was no business of mine to scrutinize an estimate which was sent to me for execution duly sanctioned by Government especially as the estimate had been prepared by the Consulting Architect

an Officer much more competent than I to deal with such complicated buildings as this Church and I should have considered it great presumption on my part not to have taken for granted the accuracy of an Estimate put before me in this way by one of the Contractors and sanctioned by the Chief Officer. Of course these remarks refer solely to the quantities. As to the rates, whether or no those of the sanctioned Estimate were correct, does not, I respectfully submit, seem to me to be the question. The rates at which the work was carried out, were perfectly in accordance with those tendered by the Contractors and sanctioned by the Chief Officer. Moreover I have to point out that the excesses from higher rates are a mere trifle as compared with those arising from erroneous calculations and measurements in the Estimate.

Thus assuming, as I believe I was perfectly justified in doing, that the Estimate was

only £550

was correct, I quite saw my way to carrying out the work within the sanctioned amount. I may here remark before quitting this part of the subject that I was ordered to charge £400 against "Contingencies" being the amount of an honorarium paid to one Mr. Reader, as I imagined, checking the plans and scrutinizing the Estimate in Mr. Chisholm's Office; this fact would have set my mind at rest supposing I had entertained the smallest doubt as to the accuracy of the Estimate. I could did not suppose there could be no omissions, for it is perfectly impossible to foresee everything in a work of this character, but I concluded that any small omissions could be met, as they were disposed from Contingencies.

169

3. As I had foreseen - omissions began to be discovered as the work progressed under slight as they were yet by August I found

they were likely to mount up and to Sad-
-dressed you in my № 1258 d/ 1st ctuguest 1885,
reporting this fact, to this you replied in
your memo № 485/N.E d/ 4th ctuguest 1885, suggest-
-ing that work should be stopped. to which I
replied in my № 1397 d/ 18th ctuguest 1885, in
stating that the excess would be within 5 per cent
and that "I saw no reason why the work should be
stopped."

4. The work was carried on accordingly
-ly and in due course I received Indorse
-ment № 557/N.E of 2nd September 1885 on the
Chief Engineer's Order № 535 E. d/ 28th Augt/85.
simply ordering me to get a Revised Esti-
-mate in without delay. I must confess
I was to blame for not drawing the par-
-ticular attention of the then Acting Superin-
-tending Engineer to the peculiar circumstance
of the case, but it must be remembered I
still had no reason to doubt the actual

accuracy

accuracy of the Estimate and I still believe
that as already reported, all excesses ca
-uned be within 5 per cent, nothing had
cropped up to cause me to alter my opinio
-n. Had I then discovered as I after-
-wards did (as the Revised Estimate was
in course of preparation) the very grave
errors in the quantities, I might proba-
-bly have recommended the stoppage of
the work. But let me pause here to
ask you to consider what our position as
really was at this date viz- 10th September 1885.
We had signed a contract by which, as
far as I understand such bonds, the Con-
-tractors were bound to complete their
work by 31st March 1886, and they could
only be prevented from carrying on their
work by the discovery of bad or faulty work
on their part: and unless Government
were prepared to indemnify the Contractors
(who owned due for the full amount of the Estimate)

for

for all losses they would have incurred, they could not have stopped the work.

Again by this time the outerwalls were up and the arches were going on in the nave, nearly all the materials were ready; all the stones or nearly all had been received from England the Contractor had all the floors and windows and nearly all the roof timbers ready and nearly all the cut stone work, so had the work been now stopped what would have been the use or profit of it to Government. It would have been impossible then to have effected any saving on any item not yet commenced as materials for all items were more or less ready.

5 Thus then even supposing I had discovered the egregious errors of measurement in the Estimate I think I would have been justified in exercising the discretion allowed to Executive Engineers in Para 301 P.W. Code and in recommending that the work

work should be allowed to go on, for certainly the eventual loss to Government would have been greater had the work been stopped and we should have had on our hands a lot of material utterly useless for any other purpose and an unfinished building in a very prominent position.

6. When however I began revising the Estimate so many alterations were found necessary that I deemed it better to revise the whole and remeasure everything from basement to roof and take out the quantities quite independently of the Original Estimate. Of course all this took time and it was not till about middle of November 85 as far as I can recollect that I first had cause to see that there were very grave errors in the measurements, the principal one being cut Stone. but the total of this error was not made out until the whole

the Revised Estimate Forms 2 and 3 of Chief Engineers Memo No 535 were not replied to. as they escaped my memory; but as above pointed out, owing to the materials having been nearly all collected and the best part of the design having been complet-ed it would have been impossible to have Effected any savings on items not yet commenced; and as regards the insertion of recesses and covering the win-dows in the Chancel the Queen caused by these was practically nil.

11. The only savings I could Effect have been made viz:- substituting brick coping plastered with Cement for the stone in panelled plan) and white cedar was used for the ceiling instead of teak; but this last had been decided on all along.

12. In conclusion I may repeat that as stated in my R.L. 2819 of the 12th February last nothing has been done on the work which

was

was not strictly essential and I think the work done is excellent and reflects great credit on the Contractors who all along have been most helpful to me.

I much regret that so pleasant a piece of work should have given rise to such unpleasantness and I trust that I may be exonerated from blame as I acted throughout in what I imagined to be the best interests of the Government.

13. The Statement of Account to date will follow as soon as possible

I have the honor to be
Sir
Your most obed.t Servant.

A Leith Major R.E.
Executive Engineer

From
The Executive Engr.
Nilgiri Divn.

To.
The Supdg Engineer
4th Circle

No 155
Dated 15th April 1886.

Encln.

Wellington - Church
Excess Expenditure on
Submits explanation
regarding the
with reference to G.O.
No 933 of 6th April
1886.

No 156 Nilgiri Division Office
Ootacamund 15th April 86.

From
The Executive Engineer
Nilgiri Division

To
The Superintending Engineer
4th Circle.

Sir

In reply to your No 1 of 14th Instant, to the address of the Chief Engineer which you have kindly sent to me for perusal and for any explanations I may have to offer, I have the honor to state that in my No 155 of this date I have, I think nearly exhausted the subject, and have fully explained why, after my first report on the excess, it was inexpedient to stop the works and impossible for me to report further until I had gone fully into the subject.

2. The discovery of the errors in

to the original estimate, on which I
alone, put the utmost confidence was
a great blow to me.

3. I confess I was not at
liberty to exceed the sanctioned estimate
by more only 5 per cent but I respectfully
submit for your consideration the fact
that by the signing of the contract plans
all the liabilities were removed and
not by my carrying on the work. Directly
the contract was signed I had no
power to stop the work except at the
risk of being sued for the total amount
of the estimates as long as the work was
satisfactory. On the other hand the
contractors were bound by their bond
to complete the work by the 31st March
as per specification & plans also. The
contract was signed, Messrs Isaacs
set to work and finished all the
necessary timber & and this, and the

stone, required, to dimensions; in fact
long before the walls were up the
necessary timber was all prepared
what profit would it have been ma
the above circumstances to have stopp
work.

4. But as already pointed out
in my No. 155 of this date I did not
anticipate any great excess until
or very near the time when you yourself
state no saving could have been effected.
So it was impossible for me to report
what I did not know, or even surmise;
when the facts were known it was too late
to stop the work even had it been expedien
to do so on legal grounds.

5. I hope you will now see
that I have not ignored rules and orders;
by the signing of the contract I was
rendered helpless & did what I imagined
to be best under the circumstances in
good faith all through.

6

6.

I sincerely regret that you consider you have been placed in a false position by confiding more or less in me. I was so ignorant as myself of any large excess until too late to do anything; & even by the time I had discovered the smaller omissions work could not have been stopped, except at great loss as I have clearly shown in my No. 135 of this date.

7.

In conclusion I venture to hope that my action in this matter may not be deemed unsatisfactory, & that I shall continue to enjoy your confidence; and I regret exceedingly the annoyance you have been put to on this account. My consolation is that you consider the work done is good. I have the honor to be

Sir

Your most obt Servt

Alsmith Major R.E.

Executive Engineer

176

From
The Executive Engr.
Nilgiri Division

To. The Superintg Engr.
IV Circle

No 156
Dated 15th April 1886.

Madras

Wellington — Church:
Excess Expenditure —
Submits Explanation
regarding the
with reference to the
Supg. Engineer's re-
marks.

Sup.g Engineer's Office, 4th Circle.
Camp Nedivatam, 20th April 1886.

No. 1130
E.W.

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

With reference to my letter No: 109C/E.W. of 16th Instant, I have the honor to forward herewith a statement showing the total value of work done and materials delivered at the Wellington Church up to date.

2. From the remarks in red ink it will seen that the statement is not thoroughly complete and reliable, but a revised statement will be sent as soon as possible.

3. The Contractor has been directed to stop work if there should be some loss by doing so.

I

I have the honor to be,

Sir,

Your most obed.t servant.

E. Beatty - Col, R.E.,

Supg. Engineer, 4th circle.

178

777 W 12.8.84
10 W 5.1.85
312 W 10.2.85
32 PC 17.2.85
1299.13 W 23.5.84
1541.4.W 15.10.84
709 E. 24.9.84
933 W 1.4.86.
51 (Estimate) 22.3.84
3323 W 22.11.83.

I. W. C. 1130/1

From
The Supg. Engineer,
Fourth circle.

21 APL 85

To
The Chief Engineer,
P. W. Department.

Dated 20th } April 1885.
accpd. 21st }

No. 1130.
W.

Encls. 1

Wellington Church:-

Forwarding a
statement showing
the total value of
work done and mate-
rials delivered at the

Public Works Department, 1885-86.

Current No. 903
Letter No. 4
Dated the 8th March 85
From the S.E. Circle

179

NOTE OF REMARKS.

Encompanying plans and
detailed estimate for erecting
a Protestant church at Wellington
& revised estimate amounting to
Rs 41100 — being Rs 10939 in excess
of the original estimate, Rs 30510,
sanctioned in G.O. No 1124 dated 27 Aug 84.

2. From the Government of India
letter of the 29th to the Govt of India
(P.W.D.) No 1124 dated 16th of the 7th Oct 84)
we learned that Mr Rea's design
for a Protestant church at Wellington
& estimate for which amounted
to Rs 41,980, was being too expensive
& who had been called on by W.
for a design for a less costly structure
submitted the plans and estimate
which the church is in progress
at Wellington is based, and which
were sanctioned in the G.O. above
named. Owing, however, to

7/

1.

2.

3/

12

2.

1

4

1

3

4. The rates allowed for the items of the revised estimate are fair.

The revised estimate has not been countersigned by any ecclesiastical authority.

18

20th March/86
BHP

Public Works Department, 188 5-8 6.

Current No. 1902

Letter No. 73 E.M.

Dated the 5th March 1886

From the S.E. D'Cruz

NOTE OF REMARKS.

1. The accompanying plan and supplemental estimate for certain additional works in connection with the Protestant Church now in progress at Wellington — the supplemental estimate amounts to Rs. 3990 — thus divided: Fencing and gravelling the compound of the church — Rs. 1141; a road of approach — Rs. 100; a lightning conductor — Rs. 300; a well — Rs. 330; and contingencies and supervision — Rs. 219.

2. It may be remarked that there is no provision in the supplemental estimate which provides for fencing and gravelling the compound, & no provision is made for flooring or plastering the church.

3. The rates are fair but it is not probable that a well

entitled to the amount
he obtained at the low tenders
in Rs 332 – Revised Memorial
estimate has not been sanctioned
or signed by any executive legal
authority.

20th March/86
DSK

Note

Re alternate for
building a Protestant
Church at Wellington
has been submitted by Mr.
Rea, This amounts
to Rs 49960 and was
not accepted G the G
of I as being too ex-
-pensive vide No 1124
M. W of 7th Nov/84 from
Secy G. of I P.W. Dept.

We then called on C.E.
to submit a Rep copy
design and the latter
has submitted an estimate
amounting to Rs 38161
this amount was sanctioned
by the G. of I in No 673
M. W dated 4th Feb/1884
in which the Municipal

1954

economy is expected
and it is hoped that
the D.H. & I will
not be able to sanction
henceforth any further
expenditure of public
funds for completing
the buildings at
the same time it is
observed that the
estimate does not
provide for the satisfactory
completion of the
buildings in all respects.
It would appear from
this that the G. of I
have chosen the cost
on the understanding
that it will be more
than Rs 38161 the
required
expenditure it must be
met from other than
public funds.

1864

5 & 6 Vict. cap. xxxvi. An Act for making a Railway or Railways from the Great Northern Railway at or near Doncaster to the Manchester, Sheffield and Lincolnshire Railway at or near Retford, with Branches therefrom.

[12th July 1842.]

WHEREAS the Construction of a Railway or Railways from the Great Northern Railway at or near Doncaster to the Manchester, Sheffield and Lincolnshire Railway at or near Retford, with Branches therefrom, would be of great Public Utility, and would greatly facilitate the Communication between the Towns of Doncaster, Bawtry, Gainsborough, Lincoln, Retford, Worksop, Sheffield, Rotherham, Barnsley, Wakefield, Leeds, Bradford, Halifax, Huddersfield, Dewsbury, Manchester, Salford, Ashton-under-Lyne, Oldham, Rochdale, Bolton, Bury, Warrington, Wigan, Preston, Liverpool, and other Towns and Places in the Counties of York, Lincoln, Nottingham, Derby, Chester, Lancaster, and Stafford, and would be productive of Benefit to the Proprietors of Lands through which the same would pass, and to the Public at large; and Plans and Sections of the said intended Railway or Railways, and of the Lands through which the same is intended to be made, and Books of Reference to the said Plans, containing the Names of the Owners or Reputed Owners, Lessees or Reputed Lessees, and Occupiers of the Lands which may be required for the Purposes of the said intended Railway or Railways, have been deposited with the Clerk of the Peace for the West Riding of the County of York, and with the Clerk of the Peace for the County of Lincoln, and with the Clerk of the Peace for the County of Nottingham, and with the Clerk of the Peace for the County of Derby, and with the Clerk of the Peace for the County of Chester, and with the Clerk of the Peace for the County of Lancaster, and with the Clerk of the Peace for the County of Stafford, and with the Clerk of the Peace for the County of the City of York, and with the Clerk of the Peace for the County of the City of Lincoln, and with the Clerk of the Peace for the County of the City of Chester, and with the Clerk of the Peace for the County of the City of Lancaster, and with the Clerk of the Peace for the County of the City of Nottingham, and with the Clerk of the Peace for the County of the City of Coventry, and with the Clerk of the Peace for the County of the City of Lichfield, and with the Clerk of the Peace for the County of the City of Litchfield, and with the Clerk of the Peace for the County of the City of Litchfield, and with the Clerk of the Peace for the County of the City of Litch

Cost of the work to
Dr 49100 + 3090 = 52190
It seems a mistake
to submit an estimate
for the work necessary
in the replacement
of sewage & hot water
pipes unless all the work
necessary, which
flooring & plastering which
are absolutely necessary
are omitted. 185
It seems to me that
it would be wise to
ask for the money now
required & then have
it all the work for repair
to floors & plaster other
buildings can be done
by the S.P.S
when it can afford
for completing the building
& connecting it with

Branches, the sum
proposed to be annexed to
about £5000 & the
£ of £ sum to
be taken to sanction
the accept £17859.
after the very short ad-
dress proved the sanctions
of, & inducements held out
if they will raise their
funds, and it is
said likely that the
sum required can be
raised & provide the
requisite. xc 106
From the letters &
reports accompanying
the scheme it seems
it seem that the
whole of economy was
exercised in the execution
of the work & that the
accepted tenders will probably

be avoided. but
it will appear from
the data in that
a similar election
should, under other
circumstances, have
been submitted long
before the original
election was decided.
From a suspended in-
-complete election being
less objectionable than
no result should there
be reason to suppose
that the
people be willing to
bear the cost and trouble
for, and therefore be more
in the S. C. found that
this would be the
case he should have
reported the matter.

(87)

L
24/5/86

1903
1904

Dist.

These estimates will require the sanction of the G. of S., but it seems doubtful how much action can be acted in the face of G.O. No 1977 W.D. 12. 8. 84.

Even if the supplemental estimate be sanctioned, the Church will still be left in an incomplete state, for flooring & plastering have not been provided for.

The revised estimate must apparently be submitted for sanction as it

opportunity provide
completed work

If the supplem
ments is also
that forward, i
seems a question
whether flooring
plasterers should
also be included
so that the
action may cover
everything -
not seem clear
private subscrip
will be forthcom
at a military
meeting was willing
for the completi
of the edifice

CH
20-3-46

It would be satisfactory
if the Trustees
Materials should be pro
by the Building Committee
Bottleneck where
be mentioned

WH
25-3-46

For W

Draft order on the Wellington Chapel Committee A/C

Approved —

It is proposed to send to them all the correspondence commencing with the Surveyor's letter of 22-7-95 — the order of 6.6.96. No 933 & resulting the order of 4.9.96. will form part of the Proc.

For orders whether the file is to be kept for the Hon. Mr Sadler or sent to the Hon. Minister.

Cec
1.5.96

T.O.

Letter from the L & M. Dist.
No 1136 & 20.4.96

For W 19°

Submitted in connection with file relating to Wellington Church estimate now sent to you —

The statement shows that the value of work actually carried out is Rs. 36,460, or less than the amount of the original estimate of Rs 38,161; & that the value of materials delivered is Rs 5514,—
total Rs 41,974.

The letters of Feby. last & subsequent, the revised estimate, left this office to believe that all the work entered in the revised estimate had been carried out.

Cec
21.4.96

The Information now submitted points to Lt. Colonel Morant, by Whom as Offg C. A. the original estimate was prepared, as being responsible for the very serious omissions & errors therein which have now come to light.

Lt. Colonel Morant is now absent from India on privilege leave, & on his return should be called upto explain the extremely unsatisfactory manner in which the original estimate was prepared.

With respect to other points —

(1). It seems unaccountable how the E.E. could, at so late a date as 18-8-85, have asserted confidently that the total excess would be within 5 % on the estimate.

(2)- The great delay in submitting the revised estimate, which was called for "with the least possible delay" in August 1885, and received in March 1886, is extremely unsatisfactory.

(3)- The fact stated by the S.E., that until April 1886 he had not seen the Memorandum dated in August 1885, calling urgently for the submission of a revised estimate, seems unaccountable, — & points to grave mismanagement in his Office.

A G.O. may now be drafted.

reciting briefly the history of this most unsatisfactory matter, and noticing especially the points specified above.

We S.O. should also authorise the S.E. to complete such work as he may consider necessary to protect the Govt. from loss, & should conclude by laying the revised estimate before the Govt. of India, to whom a letter should be drafted.

Meanwhile the S.E. should be called on to report the terms & dates of the reminders alluded to in para 8 of his letter No. 109 C / 16.4.96.

28.4.96

192

Reverend Ephraim K. Wilson
Chaplain U.S.

2 Sam

Please put
up note of
instructions
referred to
by C.A.W. and
return the
file soon -

FB

21/4/16

Law 294

Horewitz bol.
Pennzenick's note on
the subject -
The note was written
during the time Genk
Lamberg was E.M.

FB

21/4/16

S. R. L.

Communications
are hereby marked on
their Orders - with the
following to —

1: Anglo Saxon Circle
2 Lieut. Architect Field.
3. Lt Col Mounted Rifles
4. Egyptian Rocks
5. Fortification & Defence
6 Military Dept.

SP
14/5/86

No 1
Kimberley

12/7
Feb 3rd
1895

Forwarded
to D.E.O. letter
Submitted 6-93

Revised

S.W. Conley

196

Submitted for orders. See attached letter from Gen'l Supt. G.O. 1977 VV 8 17/87 Indian agent stating the attention to expenses may be required on the officers engaged with the execution of the work and "it must be understood that the G. of S. will not be able to sanction the employment of further assistance to complete the building" in these circumstances it appears to be advisable that further orders should be issued to the D. E. to that effect submitted 6-93

The S.C. should be approached to consult with their professional advisers on the subject and to take such steps as they consider necessary to effect the purpose in view, & communicate the results to this office.

Ed
14.8.95

Revised Estimate Wellington Church

1897

To W.

On reading the Sa. Engrs letter of 15th April 1896, there seems no reason to doubt that the prime cause of the large excess over the original estimate is the faulty manner in which the latter was prepared in the Consg. Architect's Office —

As to the amount of Secretary which estimates should receive in the Chief Engrs Office, please see paras 133 of the Office Manual; also office order of 2.7.80, which was issued by Lt Col. Penny R.E., under it is believed, Genl Strachey's instructions. In the office order the Technical branch are distinctly told that their time is not to be taken up with correcting errors in calculation and similar matters with which the C.E. is not concerned —

The reasons & causes of the excess provided as a point to be attended to by the Technical branch. That the sums allowed in the original estimate were fair is proved by the statement in the S. E. letter of 16.1.96, "that the excesses from higher rates are a mere trifle "(only £ 550) as compared "with those arising from "erroneous calculations & "measurements in the "estimate."

The note on the original plan & estimate by the Tech. branch & by Senior Bowen, then Dep., are attached to the original file of 5.6 by 1977 W. 12.8.95.

It seems beyond question that the Consy. Architect, an officer exercising the functions of a Supply Dept., & the responsible adviser of the Govt, should have correctly estimated the cost of executing a design prepared by himself.

The Ex. Engr. states that it was impossible for him to discover the grave omissions & errors in calculation until the work was far advanced, & until, in fact, the estimate was in course of careful revision —

Up to August 1895, when a revised estimate was ordered, the Ex. Engr appears to have been under the impression that the excess would be within 5 per cent of the estimate. In his letter of 15.8.95, attached to Gen 535 & of 26.8.95, the Ex. Engr distinctly stated that the "total excess will be within 5 per cent on the estimate" & that he saw no reason why the records should be stopped - indeed, had it not been for this statement, both the S.E. & the E.W. would doubtless, in Aug-95, have ordered the Notice upon further progress.

In paras 5 & 9 of his letter of 16.10.95, Col. Beatty twice remarks that this office memo. of 28.8.95, by Gen 535 & was not brought to his notice on his return from privilege leave "probably because it was not marked urgent".

In his para 7 Colonel

the Under Sec. of the Treasury
Commissioner to the Sa. Engrs
requesting an explanation

The true reason why
the matter was not brought
to Col. Heaths notice on
his return in March is
probably because a pressing
demand on the means then
came into the office. Sept.
Engrs. & not the office thought
that no further action was
required until receipt of
a reply from the Sa. Engrs.

Considering the importance
of the subject, the failure to
mention the matter to Col.
Heath on his return from
Washington, was either due
oversight or an error of
judgment on the part of
the office manager; but
as already stated, the matter
was communicated by the S.S.
immediately on receipt, &
the manager doubtless thought
that the duty of the S.E. office
had been performed, pending a
reply from the S.E. In fact
Col. Heath's letter of the
S.E. was not referred
from my office
& myself in letter of March

Rec'd in Office of Ch. Engr. [illegible]

179

the date of the first reminder
it is impossible to say whether
the office abbreviations have any
bearing on the matter until
Col. Heath's return.

The Light Engr states
that the outlay to the end
of March came up to the
amount of the sanctioned
estimate & that liabilities
have been incurred in
excess of the original
sanction - He proceeds
to show that the Sa. Engr
is entirely responsible
for this, while the Letter
states that by the signing
of the Contract alone all
liabilities were incurred.

It remains to be
considered what share of
responsibility attaches
to the C.A., the S.E., & the
Sa. Engr.

It is only the Col.
Inspector who can explain
the Deputy nature of the
original estimate.

The Safety Engr's defence
is that the excesses of
liabilities incurred were
beyond his control.

The Sa. Engr states
that by the time the main
error had been discovered

it would have been simple
madness to have stopped
the work.

Orders are required
whether the revised estimate
shall now be submitted
to the Govt of India.

The work has since
been stopped at an advanced
stage, when it is probably
too late to effect any saving.
The Contractors say that an
expenditure of only Rs 500
in Labour is required to
complete their contract
& it is a point for
consideration whether the
works should not be
completed before the setting
in of the monsoon.

C.E.
23.4.80.

Office Memorandum

No 19

The undersigned desires to call
attention to Para 255* of the Code

* Vide Para 256

The Chief Engineer's Office has nothing
to do with the "correctness of detailed Estimates," that is to say with arithmetical details and the time of the technical branch is not to be taken up with correcting "errors in calculation" and similar matters with which the C. E. is not concerned.

The points to be attended to by the technical branch are whether the design is suitable to the purpose required, whether the scantlings of timber are sufficient and not excessive, whether the quality of work provided for is appropriate to the class of building, whether the rates are reasonable, and so forth, and the less time is wasted over matters which are not essential, the more can be devoted to those that are.

(Signed) J. Pennycuick
Major R. E.
D. C. E. P. W. D.

2nd July 1880.

Note about
J.

Bearing in mind the letter of the C.J.D. dated 4.7.84, on the revised estimate of 36,161/ was sanctioned, it does not appear to me to be advisable that an estimate should be prepared & submitted, as suggested by D.W., for completing the building & compound in a thorough manner.

I understand that the revised estimate now submitted, amounting to 49,100/, represents the actual expenditure which has been incurred in completing the various items included in the original estimate, — and that the excess is due to incorrect calculations in that estimate of the amount of work to be done, and also to insufficient rates.

If I am correct in this, it seems to me that the proper course is to submit the revised estimate to the C.J.D., with the best explanation that can be given of the excess expenditure.

With respect to the omitted items, such as flooring, plastering well, compound fences, &c. it is clear that the C.J. Indian

intend that the cost shall be met otherwise than from public funds. The revised estimate of 38,161/ was never represented as providing for a Complete Church complete in all respects — a fact which is placed on record by India in para 3 of their letter dated 4.7.84

It seems to me that the action of the local Officers in Connection with this matter has not been in accordance with rule. This should be looked into, & duly noticed.

Has reply been received from S.E. to Memo. of 28.8.85 No. 535 E.?

W.S.
23.3.86

P.W. Department

Proceedings of the Madras Government

under date the

Read the following:-

From the S.E. IV Circle No. 71/64 5th March 86

" do " " 72/64 do 5th March 86.

With his letters above recorded, the Supdg. Engineer IV circle submits a revised estimate amounting to Rs 49100 for constructing a Protestant church at Wellington; also a supplemental estimate amounting to Rs 3090, for certain items for which no provision was made in the original estimate

but which are now considered very necessary.

2. With ~~Their~~ letter No 614 W of 15th September 1913 and estimate for the work amounting to £49961 was submitted to the Government of India, but that Government in their ~~not~~ duly recorded in Proceedings of 13th of 22nd November 1913, while admitting the need of a church at the military depôt of Wellington, expressed their inability to sanction so large an expenditure of public funds for the construction of a church to contain 300 sittings. It was intimated that, unless private subscriptions to a considerable amount were forthcoming, the design should be revised so as to effect a material reduction of the cost.

D.O. 4

3. A fresh design was then prepared by the ~~Executive~~ Lt Colonel, R.E. officiating Consulting Architect, the estimate for which amounted to Rs. 38161. That estimate, although completely in- complete in so far that no provision was made for certain essential items such as flooring

letter, placed it on record that, while the estimate did not provide for the satisfactory completion of the building, no further expenditure of public money would thereafter be sanctioned for completing it. Notwithstanding those instructions, it is now reported that the church has cost Rs 10939 in excess of the estimate. The Supty: Engr: reports that the strictest economy has been observed in the execution of the work, and that the excesses have been unavoidable owing

omissions and errors in
the estimate, and to
insufficiency of rates
4. M. G. the Governor
in Council cannot but
regard the history of
this church
factory. While willing
to make due allowance
for the difficulties to
be met in constructing buildings
of this description in
the hills, the Governor
observe that insuffi-
cient attention seems
to have been paid to
paras 112 & 114 of the
P.W. Code. The original
estimate does not ap-
pear to have been
framed with sufficient
ca

care, and the omissions,
and inadequacy of rates,
should have been dis-
covered and reported,
and a revised estimate
submitted, at a much earlier
stage in the progress of
the work. In P.W. Dept.
mems. No. 535 E/6 of 28th
August 1885, the Suptg.
Engineer was directed to
submit such proposals
as might be feasible to
effect savings on items
not commenced, and to
report whether certain
alterations made at the
request of the Right
Revd. the Bishop would

only one alteration was
suggested by Mr. Bishop
that was not adopted as
essential on further re-
consideration by the Engineer
in charge of the Division
as a desirable improvement

increase the cost of
the building, but no
reply has been given
to that reference in
submitting the revised
estimate.

5. In the face of the remarks recorded by the Government of India in their letter No 673 M.W. dated 4th July 1884, they are unable to forward for sanction, the supplemental estimate of £1090. With respect to items not provided for in the original estimate of £3816, such as flooring, plastering compound fences, &c, it is clear that the Government of India intend that the cost shall be met otherwise than from public funds.

6. With these remarks, the revised estimate of £4900 will be forwarded for the sanction of the Government of India.

No. 673 M.W. dated March 16)

To

The Secretary to the
Government of India
Mily. Dept.

Sir,

With advertence to your letter No 673 M.W. dated 4th July 1884, I am directed to submit, for the sanction of the Governm-

S. & II circle.
C.A. & Govt.
Ex: P.W. Accts.
Eccles. Dept.
Mily. Dept.

...of Cutts, a revised
the estimate amounting to
of £49,100, for construct
ta a Protestant church
at the military depôt
es of Wellington, and to
5. state that H.E. the
re Governor in Council grat
fy by regrets that the
ri estimate of £35,61
a sanctioned in your letter
above quoted, has been
ts largely exceeded.

The Surveyor
reports that although,
in accordance with the
instructions of the Govt.
of India, the strictest
economy has been observed
in the execution of the
the works have

been unavoidable owing
to incorrect calculations
in the original estimate
of the amount of work
to be done, and also to
the insufficiency of the
rates originally allowed.
No work not previously
sanctioned has been car-
-ried out, for the sum
of £49,100 represents
the actual expenditure
which has been incurred
in completing the various
items included in the
original estimate.

3. A copy of the
Proceedings of this Govt.
No 192 1856,
which notices the un-
satisfactory natur

the listing of this projects
is forwarded for the
information of the Govern
ment of India.

29.3.1.

Lon
15/3/16.

GOVERNMENT OF MADRAS

2 APR

Dear Sir Stewart.

Revised estimate
for Protestant Churches
Billing Town —

I really feel ashamed
to trouble you Sir - in
sending this on - Such a confession of weakness
all round - To begin with - a
carefully prepared estimate
in which essentials were omitted
And so carefully checked
that the depots have never detailed
and I find little are utter

Spink began to overhaul the papers & reported & said that the good Bishop was responsible for a good deal but it seems that the only allocation he suggested was to supply a draughtsman Engineering depart-

Kindly look over the case & please tell me what you think

Yours

H. Parkes

1/4/86

240

of the Project

No 1219 IV

P.W.D. Irrigation

Public Works Department.

A/cur

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 13th May 1886.

again

Read the following

From the Supdg Engr IV Circle (No. 346 Ir. dt. Augt 22/85)

Memo. to the —— do —— (" " 535 E dt " 28. ")

From the —— do —— (" " 71 Ir. dt March 5. 1886)

—— do —— do —— (" " 72 Ir. dt " 5. ")

G.O. No. 933 W dated 6th April 1886.

Read also:

From the Supdg Engr IV Circle (No. 109 E / Ir. dt April 6. 1886)

—— do —— do —— (" " 110 C / Ir. dt " 17. ")

—— do —— do —— (" " 113 C / Ir. dt " 20. ")

With his letter No. 71 Ir. dated 6th April 1886, the Supdg Engineer IV Circle submitted a

revised estimate, amounting
to £ 49,100, for continuing
a substantial church at
the military station of
Wellington, exhibiting an
excess of £ 10,939 over
the original estimate
of £ 38,161 sanctioned in
G.O. N° 1977 dated 21st
August 1854; and in G.O
N° 935 of 6th April 1856
after briefly reciting the
history of the project,
and the stringent orders
of the Government of
India relative to the
exercise of economy in
its execution, the Govt

called upon the Supty
Engineer to show cause
why he should not be
held personally responsible
for the excess expenditure.

2. In reply Colonel
Beatty in his letter of
16th April 1856, ~~proceeds~~
~~to explain~~ represents
~~at length to show~~ that
the excesses were due to
causes beyond his
control, and that there
was no reason at
first sight to suppose
that the original estimate,
which was prepared
in the office of the
Consulting Architect,

of 23rd August 1885, the
Supdg Engineer reported
~~to the Chief Engineer~~
that the estimate would
probably be exceeded, and
in Public Works Dept Memo-
randum No 535 E dated
28th idem, he was directed
to submit a revised estimate
with the least possible
delay. Colonel Beatty
states that that Memoran-
dum reached his headquarters
after he had proceeded
on privilege leave, and
that on his return at
the end of November
1885, although a revised

were not fairly entitled
as to quantities, the
fact that spaces were
occurring was first
brought to his notice in
the Executive Engineer's
letter of 1st August 1885,
the Supdg Engineer,
and on the advancing
stoppage of the work, the
Executive Engineer put
his letter of 15th August
1885 stated that the
total spaces would be
either 5 per cent of the
estimate, and that there
was therefore no reason
to stop progress
3 In his letter No 346 Ex

[illegible] to be [illegible]
[illegible]ished, the remainder
was last night for the
attention having been
drawn to it only with
receipt of yesterday's
post April 1886.

4. The Safety Engineer
states that, after the
August 1885, the Inspector
Engineer made no further
report that the grass
was likely to exceed
5 per cent; that he
relied on the Executive
Engineer, as an officer
of long service and

great experience, to
take precautions that
the work should not
transgress to a standard
within the existing grant
and that he was utterly
unprepared for liabilities
being incurred without
sanction.

5. The Executive
Engineer reports that it
was impossible for him
to discover the grave
omissions and errors
of calculations in the
original estimate, until
the work was far

advanced, and until
in fact the estimate was
in course of careful
revision; and that
by the time the main
errors had been discovered,
it was too late to stop
the work except at great
loss to Government.

6. The work has now
been stopped at a period
when, as stated by the
contractors, all material
required to finish it
are ready, and an
expenditure of only
Rs 500/- in labour/

is needed to complete
the contract.

7. After again scrutinising
the revised estimate, the
Deputy Engineer has
reduced the total amount
to Rs 47,810, which gives
an excess of Rs 9,649 over
the original estimate.

8. On reviewing this
most unsatisfactory case,
the Govt are of opinion
that the information
now submitted points
to Lieut: Col: Morant
R.E., by whom as
officiating Executive

(1) It seems unaccountable how the Executive Engineer could, at so late a date as 18th August 1885, have asserted confidently that the total excess would be within 5 per cent on the estimate

(2) The great delay in submitting the revised estimate, which was called for with the best possible delay" in August 1885, and received in March 1886, is extremely unsatisfactory. In this connection,

I do not think the original estimate was prepared, as being responsible for the 7 lakhs excess and more therein stated. I am not to light Lieut Col Mant's remarks about some privileged books, which are to be returned, & all to be called upon to explain the extremely unsatisfactory manner in which the original estimate was prepared.

9. With respect to the funds:—

(c)

the Supply Engineer
will report the time
and value of the services
allowed to be performed
of the letter of even
date
of 2nd April 1866

(2) The first stated by
the Supply Engineer
that, until April 1865,
he had not given the
necessary instructions
for 1865 calling
upon him for the
performance of the
said services,
was unsatisfactory,
and prior to giving
such instructions

offices
10 With these remarks
the proposal amounts
to £17,510 will be
founded of the particulars
of the Gift of Lords.
11 The Supply Engineer
will not be authorized
to employ any
necessary to protect the
Government from loss

(W. No. 1 [illegible] of [illegible])

I,
The Secretary to the
Govt of India, PWD

Sir,

With reference

Copy Engr 14 Circle
Comr. Orissa Division
Supdt J. L. Department
Govt & Mr. Research
Examination Supt
Mailing Supt.

to give Effect to the Act of July 1855, I am directed to point out for the perusal of the Governor of Victoria, a remarkable error of £ 47,000, for which by some strange oversight the Treasurer of Victoria, at the meeting of Melbourne; and to state that H.E. the Governor in Council gratefully regrets that the amount of £ 38,161, mentioned in your letter

No

has been largely increased by the Treasurer of Victoria, in order to make it, in accordance with the intention of the Gift of Land, the total amount to be charged to the portion of the work, the expenses have been considerable, owing to incorrect calculations in the original estimate of the amount of work to be done. No work not previously provided

Le Lieu must only
for the sum of £27.510
represents the actual
expenditure required to
complete the various
items included in the
original Estimates. The
Officer responsible
for the manufacturing
maintenance of the
original Estimates
prepared is at present
absent from India on
furlough but that
on his return he will
be called upon to
submit such explanation

on he can offer
I A copy of the Spec
of the Gst. No 12.1946 of
13th May 1886, which was
the primary authority
when the listing of
the forgoit, was forwarded
for the information of
the Gst of India

Ms
1-5-86

Ms
13/5/86

Cu

310/ [illegible]

Govt. of [illegible] Madras.

PUBLIC WORKS.

G.O. 13 [illegible] 1886, R. 1219 W
1220 W

Protestant Church
at Walajah

[illegible]

Orders on revised
Estimate submitted
for the Construction
of Mr — Skurray's Circular
Saraba Excess over the
original Estimate.

Protestant Church
at Walajah

Revised Estimate of Rs 67,[illegible]
for Construction of Mr —
Framed & Forwarded with
[illegible] Sanction [illegible]